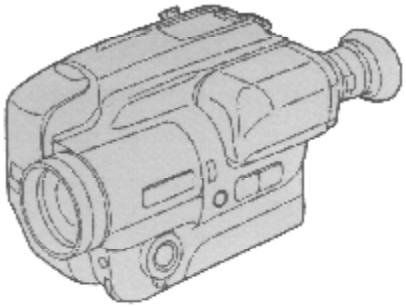
ORDER NO. VMD9406M123

Service Manual

Panasonic S-VHS-C VHS PAL 625

Hi-Fi HQ

S-VHS-C Movie



NV-S90E/B/A
NV-S900EN

DL-MECHANISM

Panasonic

SPECIFICATIONS

ITEM	SPECIFICATION
POWER	Source: Battery Pack; 4.8 V AC Adaptor; 6.0 V Consumption; Recording mode; 8.3 W (Battery operation)
VIDEO RECORDING SYSTEM	4 rotary heads, helical scanning system PAL
FM AUDIO RECORDING SYSTEM	4 rotary heads, helical scanning system
TAPE FORMAT	S-VHS-C/VHS-C Cassette Tape (Tape width 12.7 mm)
TAPE SPEED	SP mode: 23.39 mm/s Record/Playback Time: SP mode: 45 min. with NV-SEC45XD FF/REW Time: less than 5 min. with NV-SEC45XD
CAMERA	PICK-UP ELEMENT: CCD (Charge Coupled Device)
	STANDARD ILLUMINATION: 1,400 lux
	MINIMUM REQUIRED ILLUMINATION: 11 Lux (Low Light Mode) 1 Lux (Digital Gain Up Mode)
	LENS: 10:1 Variable Speed Power Zoom Lens with Digital AI Auto Focus, Auto Iris, Auto Focus System, F1.8 (4.6 ~ 46 mm), Filter Diameter 37 mm
	IMAGE SENSOR: 1/4 inch CCD Image Sensor
	VIEWFINDER: 0.5 inch Electronic Viewfinder

ITEM	SPECIFICATION
VIDEO	HEADS: 4 rotary heads, 1 flying erase head
	OUTPUT: PHONO CONNECTOR; 1.0 Vp-p 75Ω unbalanced S-VIDEO OUT; 1.0 Vp-p 75Ω unbalanced
AUDIO	HEAD: 1 Stationary head (Normal-Mono) 4 rotary heads; 2 channels (Hi-Fi Sound-Stereo)
	OUTPUT: PHONO CONNECTOR; −6 dB, 47 kΩ loaded HEADPHONE JACK (M3); −22.5 dBV, 32Ω loaded
	INPUT: MIC IN (M3); −70 dB 4.7 kΩ or more unbalanced
WEIGHT	Approx. 790 g (without Battery Pack)
DIMENSIONS	111 (W) × 116 (H) × 215 (D) mm
STANDARD ACCESSORIES	1 pc. AC Adaptor 1 pc. Battery Pack 1 pc. Cassette Adaptor 1 pc. Shoulder Strap 1 pc. AV Output Cable 1 pc. DC Input Cable 1 pc. Battery for Cassette Adaptor Operation 1 pc. Battery for Clock Operation 1 pc. 21 pin Adaptor 1 pc. S-Video Cable 1 pc. AC Cable

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

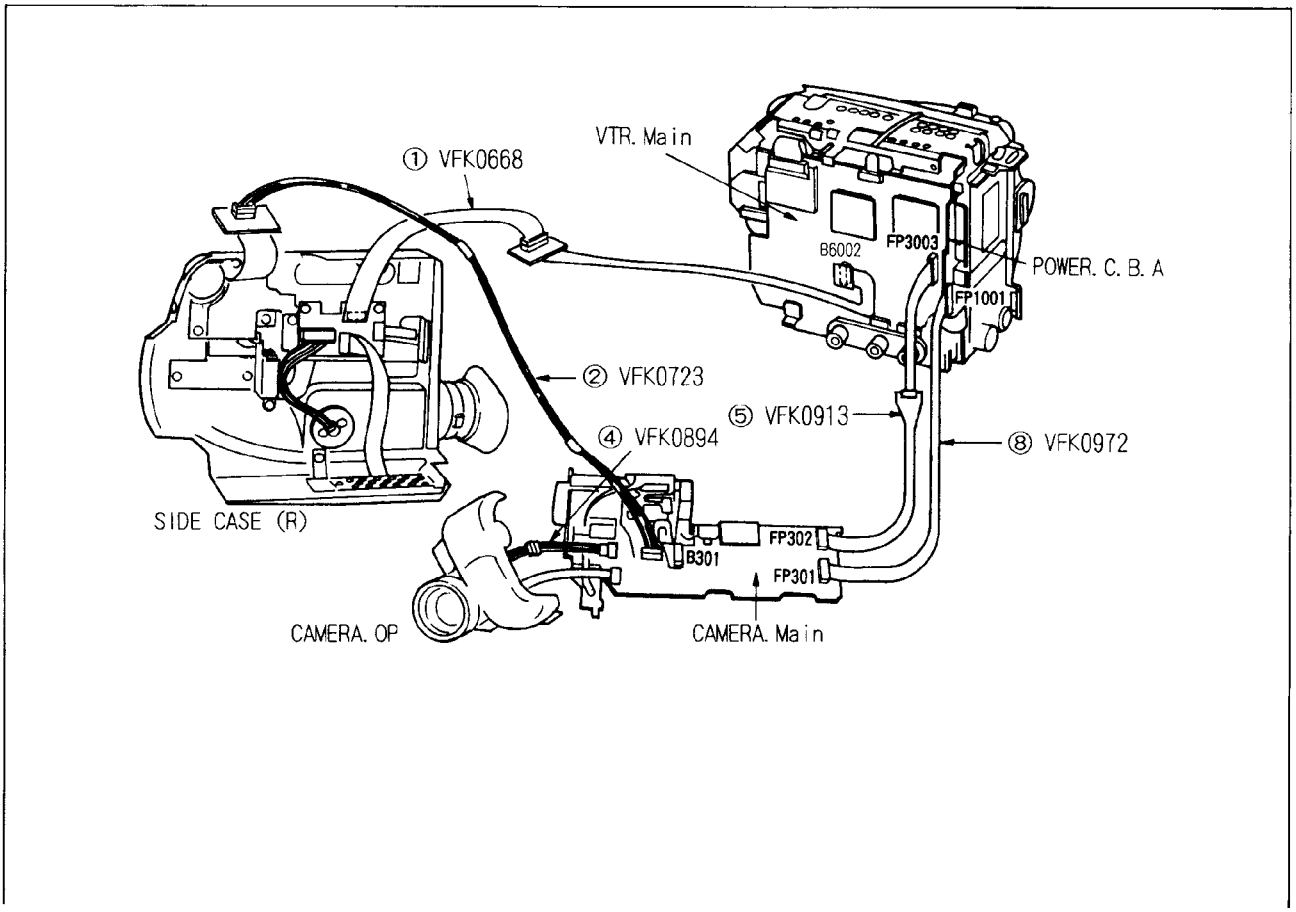
Technical Information

Service caution

1-1. Service Extension Cables.

Use the following extension cables when
checking or adjusting individual circuit bords.

Ref	Part No.	PIN	Part Name	Connection	Q'ty
1	VFK0668	24	Flat Cable	B6002 (VTR. Main) ~ B6551 (Side Case (R))	1
2	VFK0723	22	Extension Cable	B301 (CAM. Main) ~ Camera Operation	1
3	VFK0841	28	Extension Cable	B6001 (VTR. Main) ~ B1001 (Power)	1
4	VFK0894	5	Extension Cable	P301 (CAM. Main) ~ AWT C. B. A	1
5	VFK0913	18	Flat Cable	FP3003 (VTR. Main) ~ FP302 (CAM. Main)	1
6	VFK0933	10	Flat Cable	FP6004 (VTR. Main) ~ Side Case (L)	1
7	VFK0949	22	Flat Cable	FP6005 (VTR. Main) ~ FP2003(Drive)	1
8	VFK0972	16	Flat Cable	FP301 (CAM. Main) ~ FP1001 (Power)	1
9	VFK0978	6	Flat Cable	FP6002 (VTR. Main) ~ Mecha Chassis	1
10	VFK0979	16	Flat Cable	FP6001 (VTR. Main) ~ Mecha Chassis	1
11	VFK0980	9	Flat Cable	P4001 (VTR. Main) ~ A/C Head	1



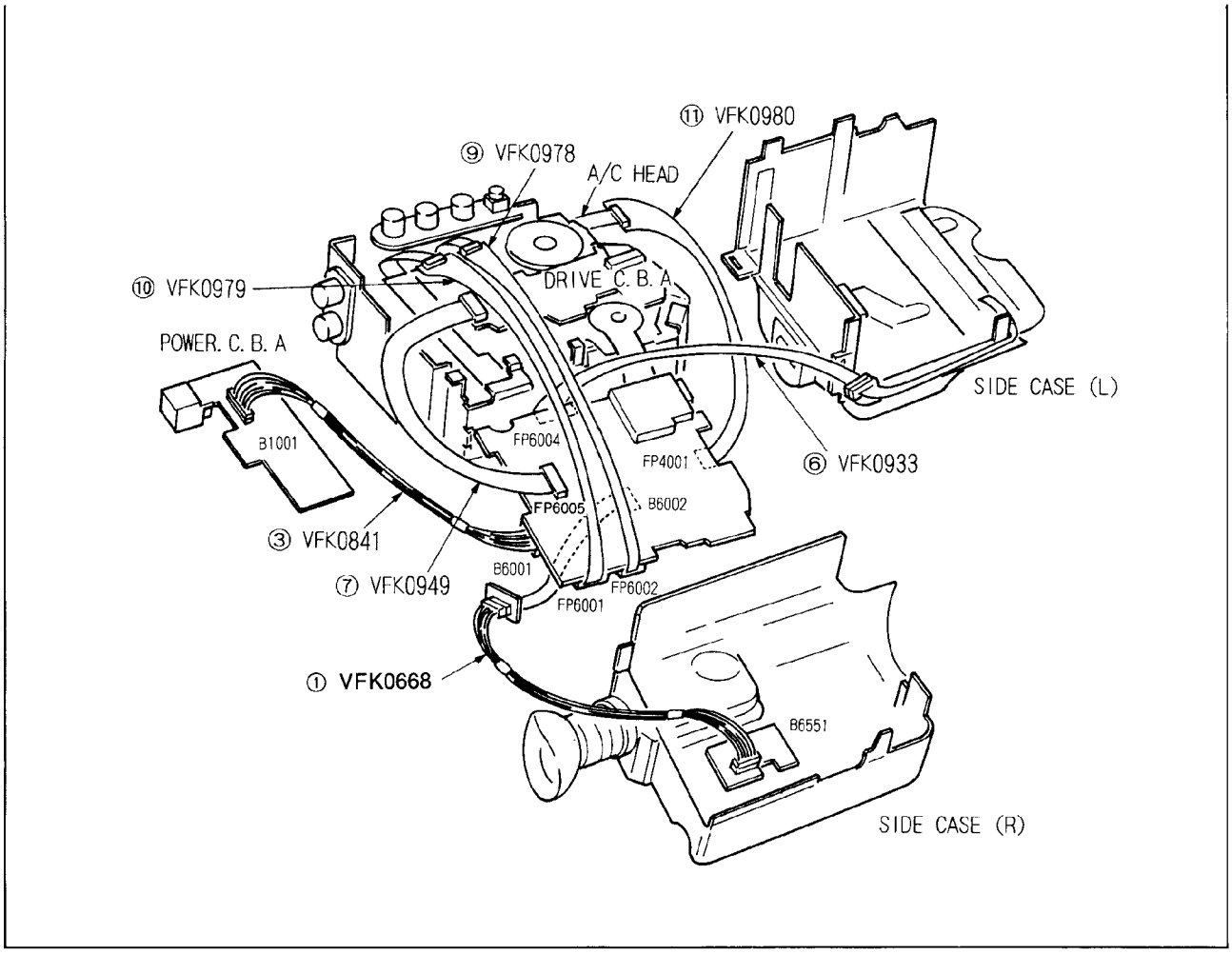

⑪ VFK0980
⑨ VFK0978
A/C HEAD
⑩ VFK0979
DRIVE C. B. A
POWER. C. B. A
SIDE CASE (L)
B1001
FP6004
FP4001
⑥ VFK0933
FP6005
B6002
③ VFK0841
⑦ VFK0949
B6001
FP6002
FP6001
① VFK0668
B6551
SIDE CASE (R)

Fig. T1

SERVICE INFORMATION DISPLAY

General Description

The NV-S90/S900 series has SERVICE INFORMATION DISPLAY function which facilitates quick trouble-shooting. You can turn on the Service Information Display, by performing the following procedures. This causes the Service Information to be displayed on the EVF. (There are 4 kinds of SERVICE MODE, as shown below.) In the OSD Line Output Mode, Service Information can also be viewd on the TV.

MODE NAME	FUNCTION	How to turn it ON. (Push following keys simultaneously for at least 2 sec.)		
OSD Line Output MODE	· Checking the EVF information on the TV monitor.	DATE/TIME SET (UNDER THE EVF)	RESET (TOP PANEL)	DATE TIME (SIDE PANEL)

MODE NAME	FUNCTION	How to turn it ON. (Push following keys simultaneously for at least 2 sec.)		
SERVICE MODE 1	· Remaining Battery A/D Value · Safety Device · Capstan/Cylinder injuctions ·	DATE/TIME SHIFT (UNDER THE EVF)	RESET (TOP PANEL)	DATE TIME (SIDE PANEL)

MODE NAME	FUNCTION	How to turn it ON. (After chosing SERVICE MODE 1, Push [DATE/TIME] key. (SIDE PANEL)
SERVICE MODE 2	· Reference Voltage A/D Value · Mechanism position · Serial key code.	DATE TIME

MODE NAME	FUNCTION	How to turn it ON. (After chosing SERVICE MODE 2, Push [DATE/TIME] key. (SIDE PANEL)
SERVICE MODE 3	· ERROR CODE Display	DATE TIME

MODE NAME	FUNCTION	How to turn it ON. (After chosing SERVICE MODE 3, Push [DATE/TIME] key. (SIDE PANEL)
SERVICE MODE 4	·PG SHIFTER ADJUSTMENT	DATE TIME

ERROR CODE DISPLAY

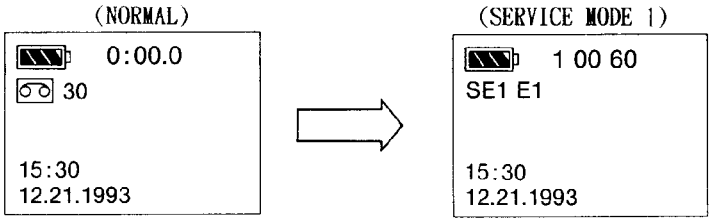
When undesirable conditions occur, the "ERROR CODE" will automatically be displayed on the EVF, the CAMERA LED will flash for a short time, then the power will be turned off.

By turning on Service Mode 3, you can check to see what kind of undesirable condition occured, even after the ERROR CODE has disappeared. You can check the Error Code if the AC Main Lead or the Battery has been disconnected. To clear the ERROR CODE, disconnect the AC Main Lead or the Battery. You can also check Error Code by looking at how the CAMERA LED flashes. The CAMERA LED flashing pattern will differ according to the Error Code. (See Fig. J)

SERVICE MODE 1

① Remaining Battery Voltage (A/D Value) = This Value shows the voltage at IC6001 Pin 98 which detects the battery under cut.

Desplay :
(Example)



For example ⇒ S E 1 E 1 (Means you are in Service Mode 1 and the voltage at IC6001 Pin 98 is 3.35V.)

★ When the voltage at IC6001 pin98(the battery remaining voltage) and the voltage (approx. 3.35V) at IC6001 Pin 99(the reference voltage) became same level, battery under cut will be detected.

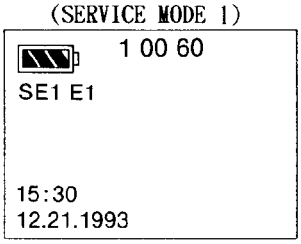
High Digit	Low Digit 0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21	0.22
1	0.24	0.25	0.27	0.28	0.30	0.31	0.33	0.34	0.36	0.37	0.39	0.40	0.41	0.43	0.45	0.46
2	0.48	0.49	0.51	0.52	0.54	0.55	0.57	0.58	0.60	0.61	0.63	0.64	0.66	0.67	0.69	0.70
3	0.72	0.73	0.75	0.76	0.77	0.79	0.80	0.81	0.83	0.85	0.86	0.88	0.89	0.91	0.92	0.94
4	0.95	0.97	0.98	1.00	1.01	1.03	1.04	1.06	1.07	1.09	1.10	1.12	1.13	1.15	1.16	1.18
5	1.19	1.21	1.22	1.24	1.25	1.27	1.28	1.30	1.31	1.33	1.34	1.36	1.37	1.39	1.40	1.42
6	1.43	1.45	1.46	1.48	1.49	1.50	1.52	1.53	1.55	1.56	1.58	1.59	1.61	1.62	1.64	1.65
7	1.67	1.68	1.70	1.71	1.73	1.74	1.76	1.77	1.79	1.80	1.82	1.83	1.85	1.86	1.87	1.89
8	1.91	1.92	1.94	1.95	1.97	1.98	2.00	2.01	2.03	2.04	2.06	2.07	2.09	2.10	2.12	2.13
9	2.15	2.16	2.18	2.19	2.21	2.22	2.24	2.25	2.26	2.28	2.29	2.31	2.32	2.34	2.35	2.37
A	2.38	2.40	2.41	2.43	2.44	2.46	2.47	2.49	2.50	2.52	2.53	2.55	2.56	2.58	2.60	2.61
B	2.62	2.64	2.65	2.67	2.69	2.70	2.71	2.73	2.74	2.76	2.77	2.79	2.80	2.82	2.83	2.85
C	2.86	2.88	2.89	2.91	2.92	2.94	2.95	2.97	2.98	2.99	3.01	3.02	3.04	3.05	3.07	3.08
D	3.10	3.11	3.13	3.14	3.16	3.17	3.19	3.20	3.22	3.23	3.25	3.26	3.28	3.29	3.31	3.32
E	3.34	3.35	3.37	3.38	3.40	3.41	3.43	3.44	3.46	3.47	3.49	3.50	3.52	3.53	3.55	3.56
F	3.58	3.59	3.61	3.62	3.64	3.65	3.67	3.68	3.70	3.71	3.73	3.74	3.75	3.77	3.78	3.80

Remaining Battery Voltage (A/D value) (Voltage at IC6001 Pin 98)

② The condition of the tape, sefety device, capstan/cylinder information are shown in hexa decimal numbers.

Desplay :
(Example)

(SERVICE MODE 1)



1 0 0 6 0

*. TAPE END/BEGINNING DET. ⇒ NO CASSETTE

*. CASSETTE HOLDER(SW) DOWN CONDITION

Display position ⇒ 0. 0 0. 0 0 (The position of linear time counter)

Part E (See Fig. E)
Part D (See Fig. D)
Part C (See Fig. C)
Part B (See Fig. B)
Part A (See Fig. A)

CONTENTS \ DISPLAY	0	1	2	3	4	5	6	7	8	9	:	▷	◁	-	.	Φ
CASSETTE SW (CASS. DOWN:1)	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
SAFETY TAB SW (TAB:1)	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
S-VHS OPERATIONSW (ON:1)	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
S-VHS DETECTION SW (S-VHS:1)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1

Fig. A

CONTENTS \ DISPLAY	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
LOADING LOCK (DET. :1)	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
CYLINDER LOCK (DET. :1)	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
T-REEL LOCK (DET. :1)	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
S-REEL LOCK (DET. :1)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1

Fig. B

CONTENTS \ DISPLAY	0	4	8	C
NOT USED(ALWAYS "0")	0	0	0	0
NOT USED(ALWAYS "0")	0	0	0	0
BATTERY UNDER CUT(DET:1)	0	1	0	1
DEW SENSOR (DET:1)	0	0	1	1

Fig. C

CONTENTS \ DISPLAY	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
UN-LOADING COMMAND (OUTPUT:1)	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
TAPE END DETECTION (DET. :1)	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
TAPE BEGINNING DETECTION(DET. :1)	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
POSITION CHATARING (DET. :1)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1

Fig. D

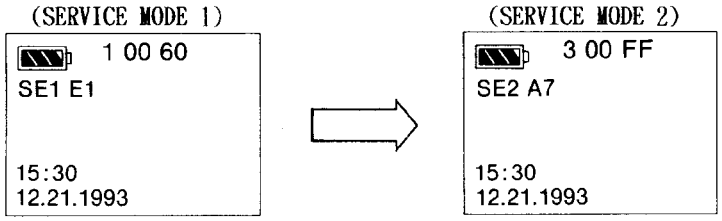
CONTENTS \ DISPLAY	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
CYLINDER ON (OUTPUT:1)	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
CAPSTAN ON (OUTPUT:1)	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
CAPSTAN REV. (OUTPUT:1)	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
LOADING ON (OUTPUT:1)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1

Fig. E

SERVICE MODE 2

① Reference voltage A/D Value =This value shows the voltage at IC6001 Pin 99 which is used as a reference voltage to detect the battery under cut.

Desplay :
(Example)



For example ⇒S E 2 A7 (It shows Service Mode 2 and the voltage at IC6001 pin 99 is 2.49V.)

(unit:V)

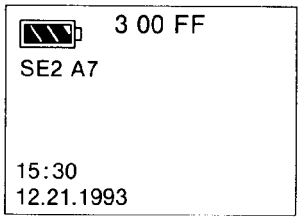
High Digit \ Low Digit	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21	0.22
1	0.24	0.25	0.27	0.28	0.30	0.31	0.33	0.34	0.36	0.37	0.39	0.40	0.41	0.43	0.45	0.46
2	0.48	0.49	0.51	0.52	0.54	0.55	0.57	0.58	0.60	0.61	0.63	0.64	0.66	0.67	0.69	0.70
3	0.72	0.73	0.75	0.76	0.77	0.79	0.80	0.81	0.83	0.85	0.86	0.88	0.89	0.91	0.92	0.94
4	0.95	0.97	0.98	1.00	1.01	1.03	1.04	1.06	1.07	1.09	1.10	1.12	1.13	1.15	1.16	1.18
5	1.19	1.21	1.22	1.24	1.25	1.27	1.28	1.30	1.31	1.33	1.34	1.36	1.37	1.39	1.40	1.42
6	1.43	1.45	1.46	1.48	1.49	1.50	1.52	1.53	1.55	1.56	1.58	1.59	1.61	1.62	1.64	1.65
7	1.67	1.68	1.70	1.71	1.73	1.74	1.76	1.77	1.79	1.80	1.82	1.83	1.85	1.86	1.87	1.89
8	1.91	1.92	1.94	1.95	1.97	1.98	2.00	2.01	2.03	2.04	2.06	2.07	2.09	2.10	2.12	2.13
9	2.15	2.16	2.18	2.19	2.21	2.22	2.24	2.25	2.26	2.28	2.29	2.31	2.32	2.34	2.35	2.37
A	2.38	2.40	2.41	2.43	2.44	2.46	2.47	2.49	2.50	2.52	2.53	2.55	2.56	2.58	2.60	2.61
B	2.62	2.64	2.65	2.67	2.69	2.70	2.71	2.73	2.74	2.76	2.77	2.79	2.80	2.82	2.83	2.85
C	2.86	2.88	2.89	2.91	2.92	2.94	2.95	2.97	2.98	2.99	3.01	3.02	3.04	3.05	3.07	3.08
D	3.10	3.11	3.13	3.14	3.16	3.17	3.19	3.20	3.22	3.23	3.25	3.26	3.28	3.29	3.31	3.32
E	3.34	3.35	3.37	3.38	3.40	3.41	3.43	3.44	3.46	3.47	3.49	3.50	3.52	3.53	3.55	3.56
F	3.58	3.59	3.61	3.62	3.64	3.65	3.67	3.68	3.70	3.71	3.73	3.74	3.75	3.77	3.78	3.80

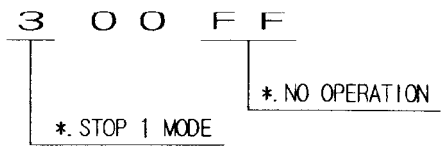
Reference Voltage (A/D value) (Voltage at IC6001 Pin 99)

② The contents of mechanism position, serial key code and mechanical process number are shown in hexa decimal number.

(SERVICE MODE 2)

Desplay :
(Example)





Display position ⇒O : O O. O O (The position of linear time counter)

Part H (See Fig. H)
Part G (See NOTE A)
Part F (See Fig. F)

DISPLAY	MECHANISM POSITION
1	E J E C T
2	P R E • E J E C T
3	S T O P 1
4	P R E • S T O P
5	
6	(M I D)
7	
8	S T O P 2
9	
A	P L A Y

Fig. F (Mechanism Position)

DISPLAY	KEY CODE
0 0	S T O P
0 1	E J E C T
0 2	R E W
0 3	F F
0 6	P A U S E
0 8	REC/REC PAUSE
0 A	P L A Y
F F	NO OPERATION

Fig. H (Key code)

NOTE A:

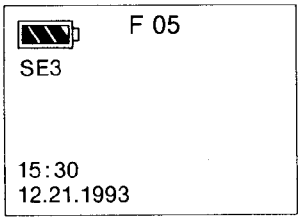
This part shows mechanism movement process.
However it changes too fast to read it.
When servicing, use the Part F (Mechaism Position:See Fig. F)in stead of Part G.
in stead of Part G.

SERVICE MODE 3

① When undesirable conditions occur, the Error Code is stored in IC6001 automatically, using the Lithum battery.
When you turn on Service Mode 3, the Error Code is displayed on the E.V.F.
Also, the CAMERA LED is flashed according to Error code.

Desplay :
(Example)

(SERVICE MODE 3)



F 0 5

*. Detected the Cylinder lock

Display position ⇒ O : O O . O O (The position of linear time counter)
(See Fig. I)
Blank (no display)
01~05, 10~11
F or U

Display position⇒CAMERA LED (See Fig. J)

DISPLAY	CONDITION	The Power off timing
F 0 1	T-REEL LOCK	After 1 minute flashing LED
F 0 2	S-REEL LOCK	After 1 minute indicating LED
F 0 3	UNLOADING LOCK	After 1 minute indicating LED
F 0 4	LOADING LOCK	After 1 minute indicating LED
F 0 5	CYLINDER LOCK	After 1 minute indicating LED
F 5 1	FOCUS MOTOR LOCK	----------
F 5 2	ZOOM MOTOR LOCK	----------
U 1 0	DEW DETECTION	After 18 minute indicating LED
U 1 1	HEAD CLOGGING	Not turning off

Figure I Error Code

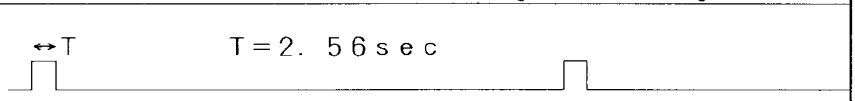
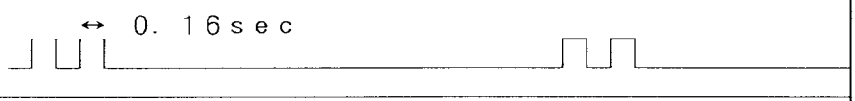
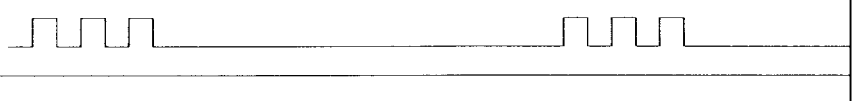
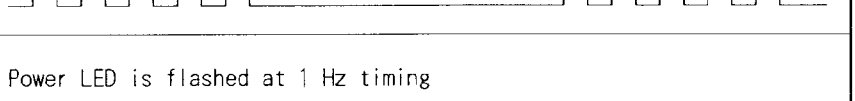
Lock Condition	Power LED Flashing Timming
T-REEL LOCK	
S-REEL LOCK	
UNLOADING LOCK	
LOADING LOCK	
CYLINDER LOCK	
OTHERS	Power LED is flashed at 1 Hz timing

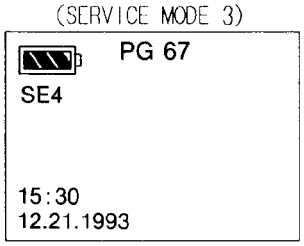
Fig. J LED Flashing Timing

SERVICE MODE 4

① Service Mode 4 is PG SHIFTER ADJUSTMENT mode for Servo section.
For more detail, please refer to Adjustment Service Manual Order No. VMD9406M124.

Desplay:
(Example)

(SERVICE MODE 3)



PG 67

*. PG shifter Adj. value.

3. How to Check Digital Circuit

3-1. Checking Principle

The digital circuit can be checked if a ramp signal(Sawtooth signal) is supplied to the input of A/D Converter(IC301-10).
The output of A/D Converter is described below.
In addtion to the A/D Converter IC301 output, all digital ICs input and output signals becomes specified pulses, which are listed in schematic diagram.

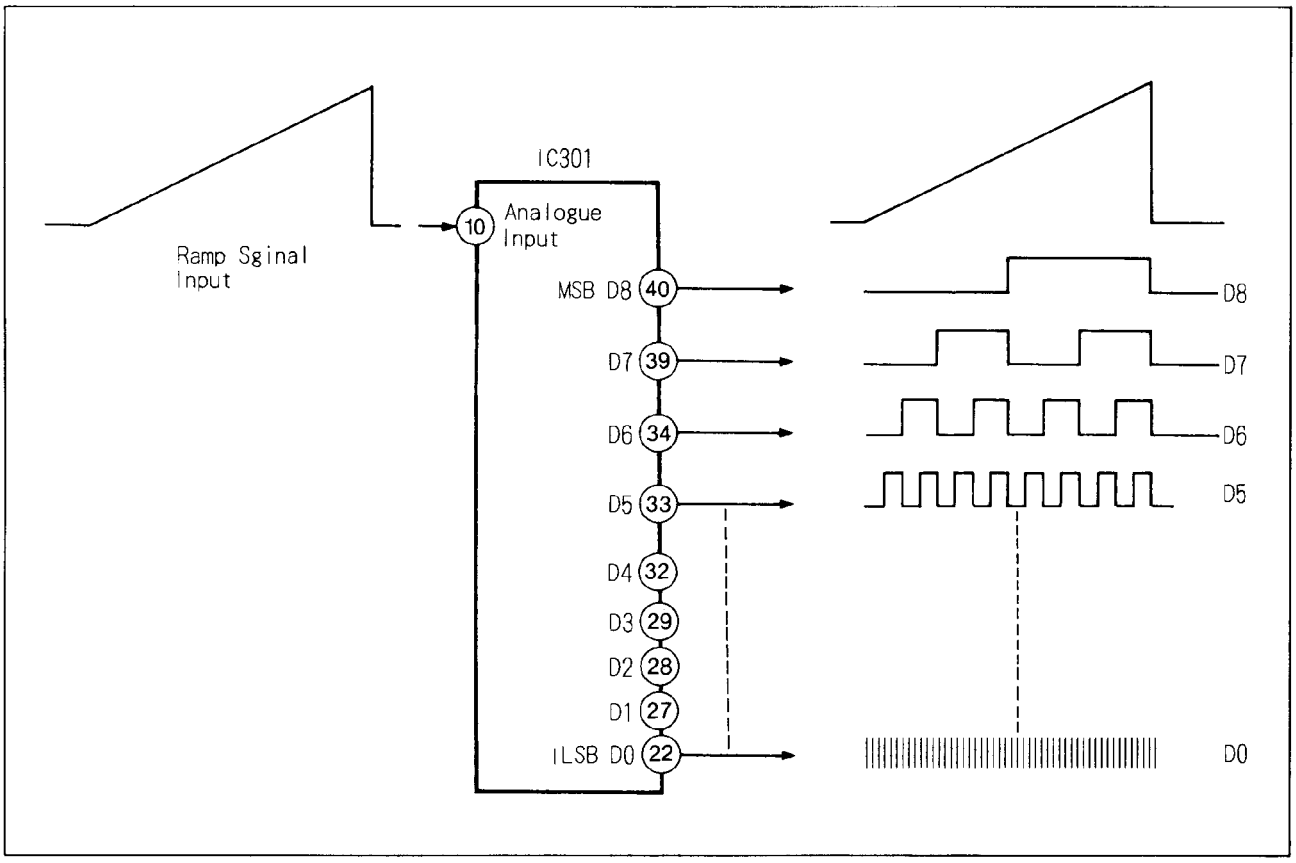


Fig. L1

SECTION 2
ADJUSTMENT PROCEDURES

2-1. DISASSEMBLY PROCEDURES

2-1-1. DISASSEMBLY FLOW CHART

The following flow chart describes the steps for removing cabinet parts and printed circuit boards to gain access to the items needing service.
To reassemble the unit, follow the steps in reverse order.

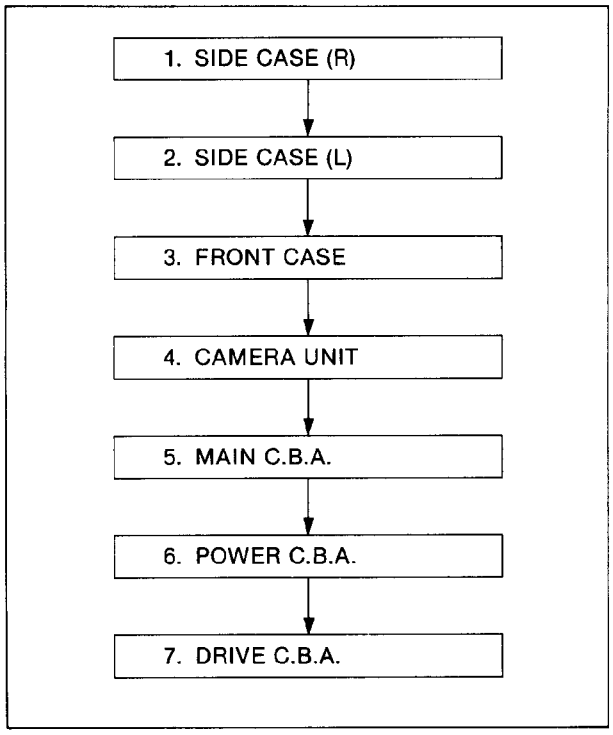


Fig. D1

2-1-2. DETAILED DISASSEMBLY METHOD

1. Removal of Side Case (R).

(See Fig. D2)
(1). Remove ..... Screw(A), (B) and Screw(C).

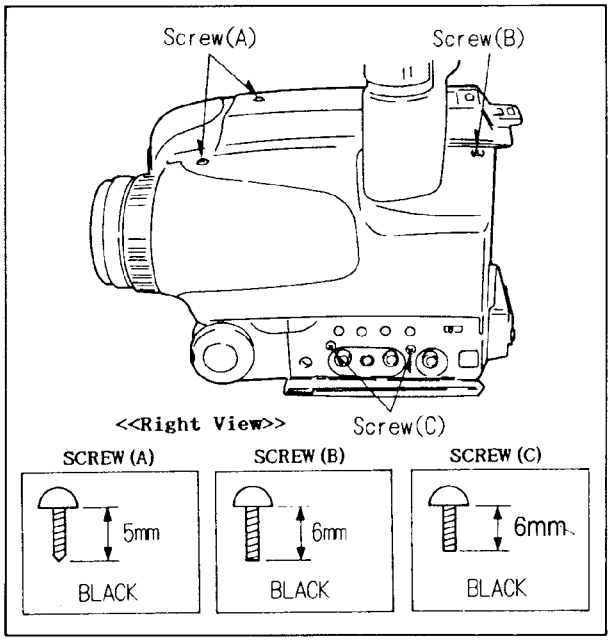


Fig. D2

(See Fig. D3)
(2). Remove ..... Screws(D), (E), (F) and Screws(G)

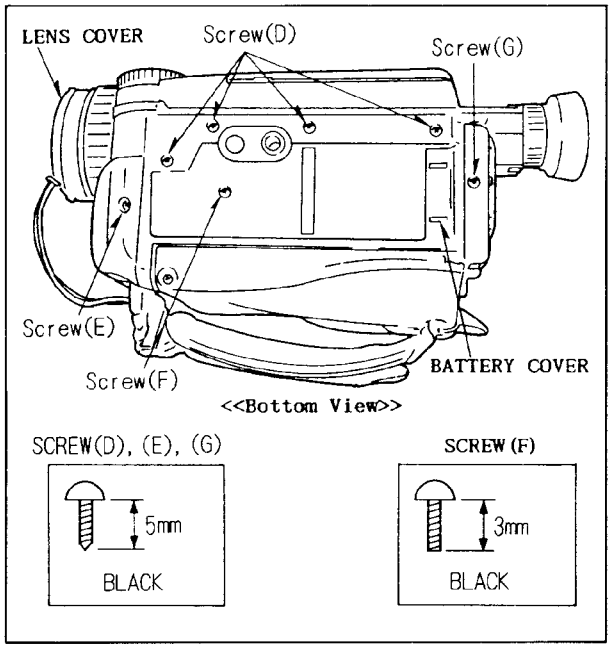


Fig. D3

(See Fig. D4)
(3). Remove ..... 3 Screws(H).

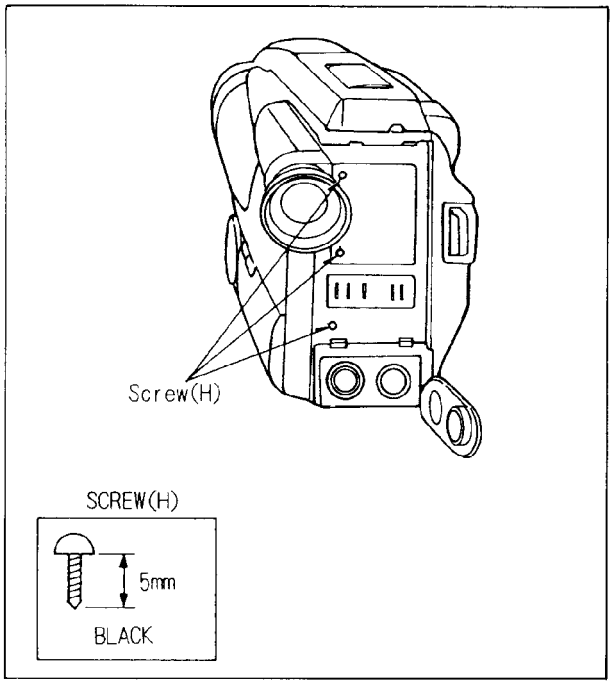


Fig. D4

(See Fig. D5)
(4). Remove ..... Screws(J).

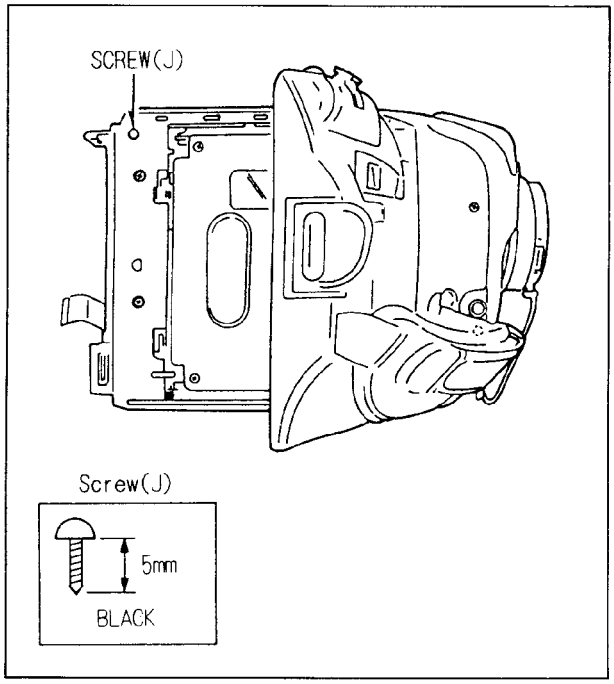


Fig. D5

(See Fig. D6)
(5). Slightly slide the case(R).

Note: Be careful that you do not break the cables and connector (Connector (A), (B))
Cable for Connector (A) is flexible type.

(6). Disconnect ..... Connector (A), (B)
(7). Remove the side case (R)

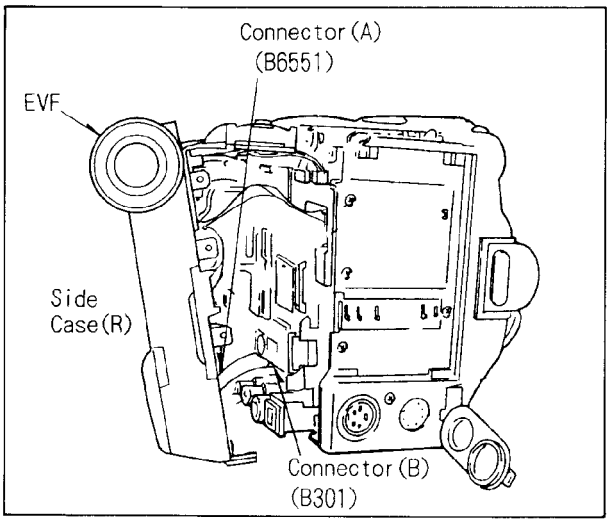


Fig. D6

2. Removal of Side Case (L).

(See Fig. D7)

(1). Remove ..... Screw(K), (L)
(2). Disconnect ..... **Connector (C).**
(3). Remove ..... Jack Cover

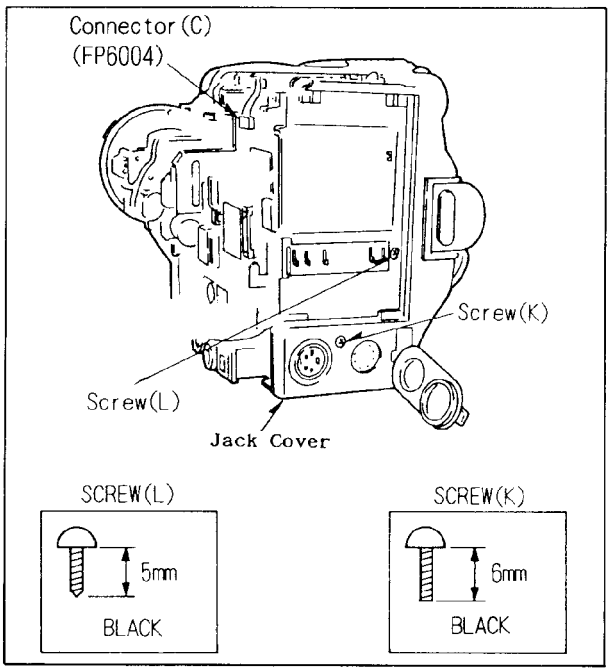


Fig. D7

(See Fig D8)

(4). Remove ..... Screw(M), (N)

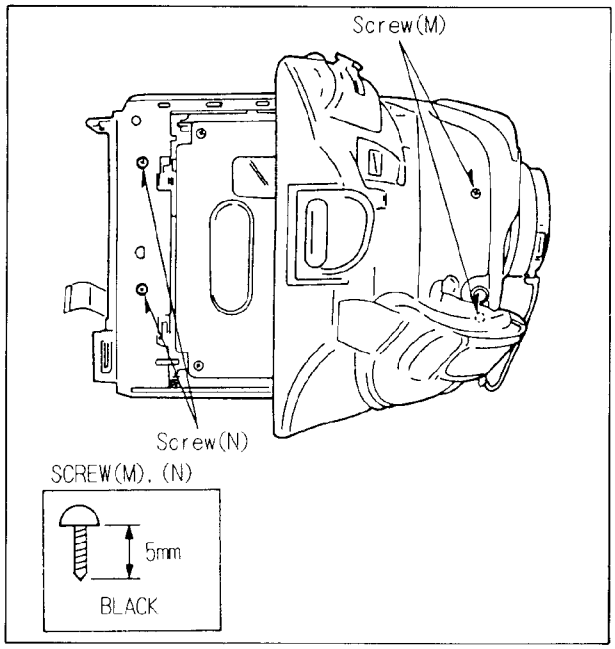


Fig. D8

(See Fig D9)

(5). Remove Side Case(L)

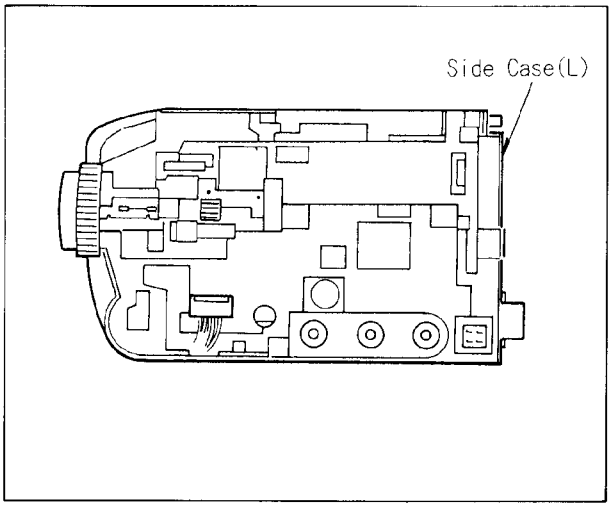


Fig D9

3. Removal of Front Case.

(See Fig D10)

(1). Slide ..... Front Case
(2). Disconnect ..... Connector (E), (F), (G)

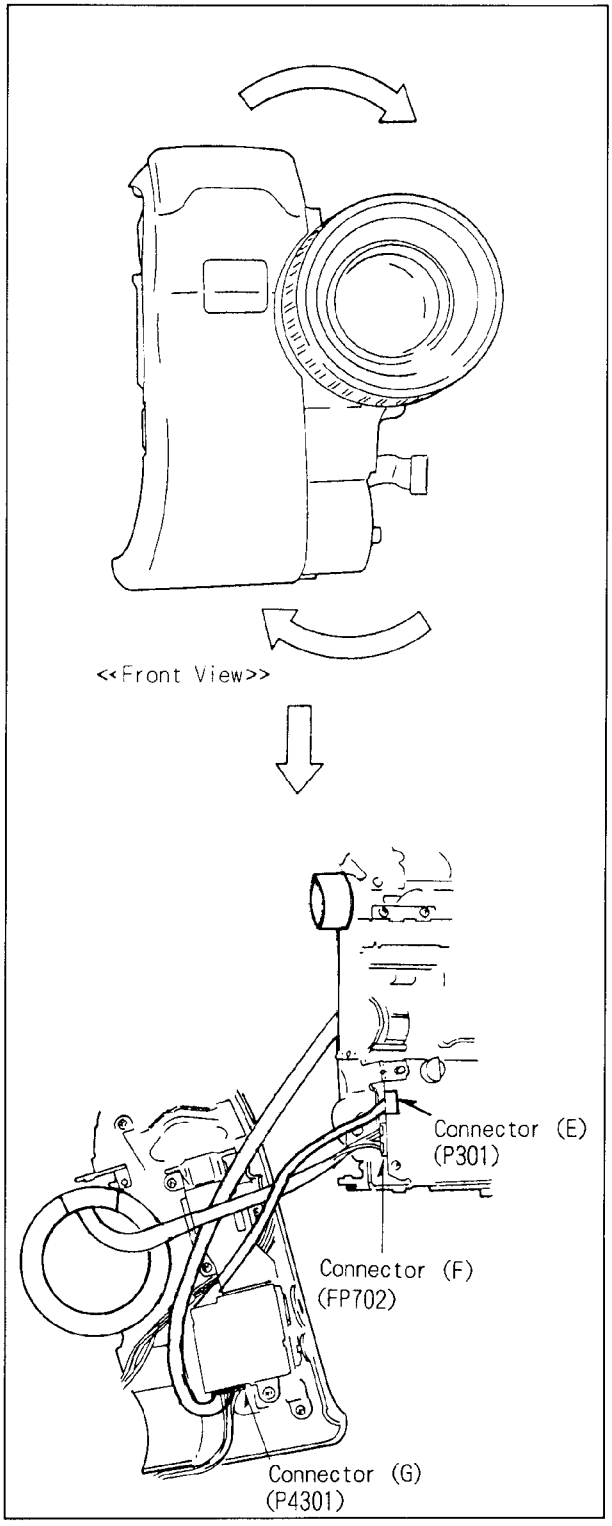


Fig. D10

4. Removal of Camera Unit
(See Fig D11)

(1). Remove ..... 2 Screw(O).
(2). Disconnect ..... Connector (H), (I).

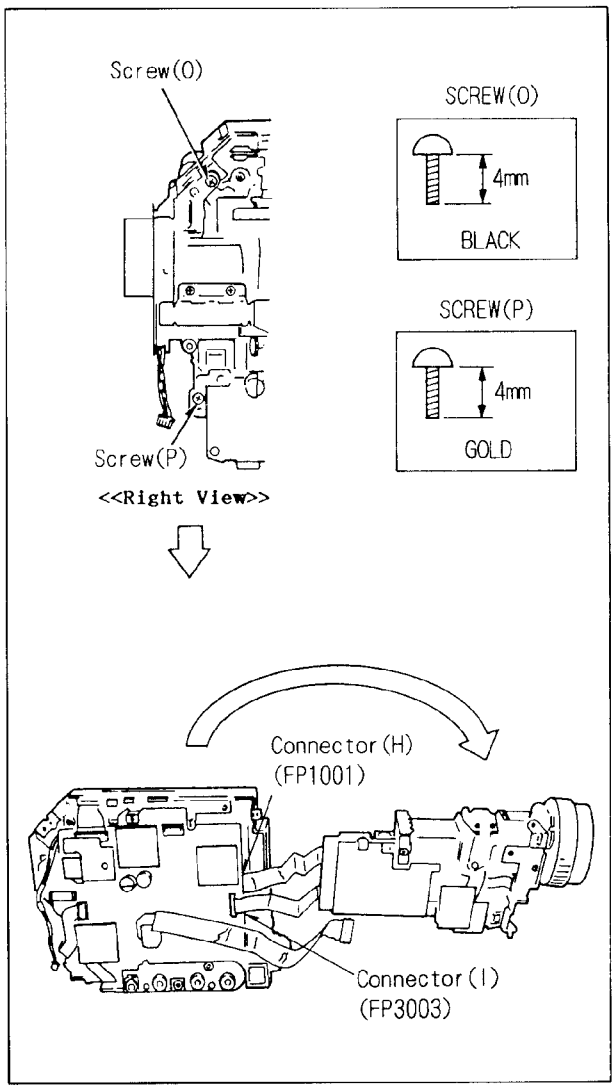


Fig. D11

5. Removal of Main C. B. A
(See Fig D12)

(1). Remove ..... 2 Screw(O).
(2). Disconnect ..... Connector (J).
(3). Remove ..... AV-JACK.

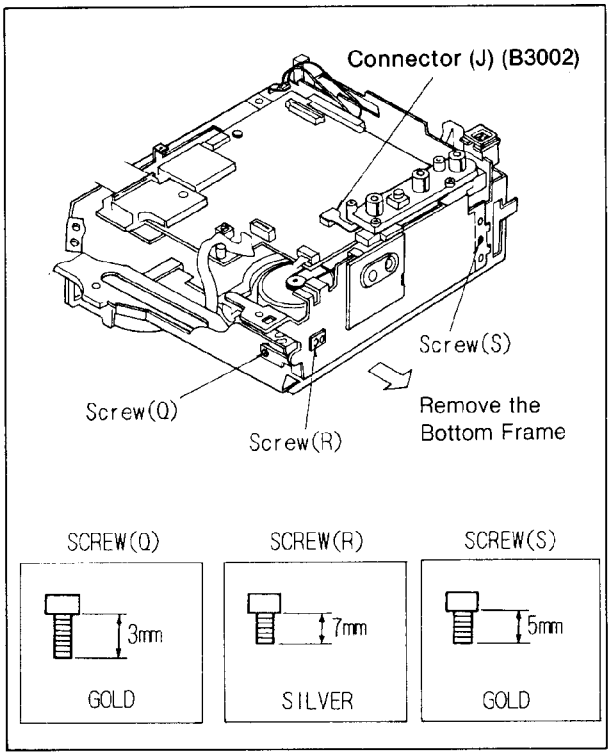
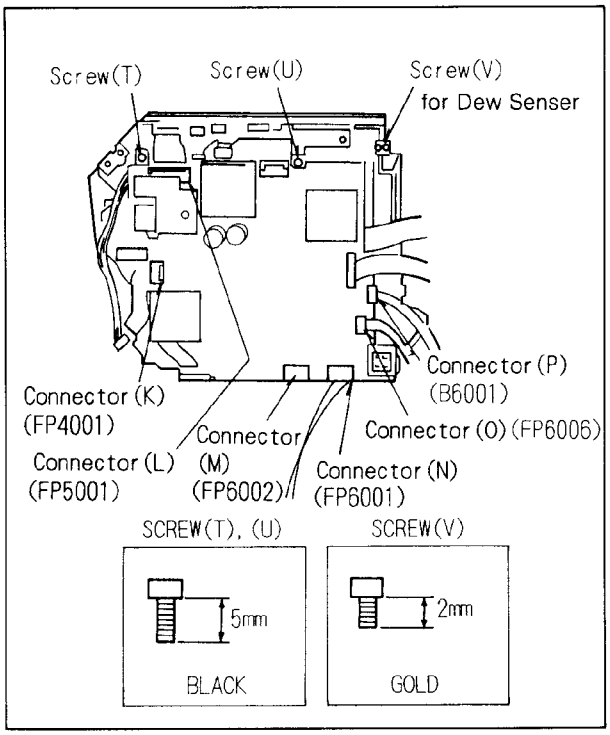


Fig. D12

(See Fig D13)
(4). Disconnect ..... Connector (K), (L), (M), (N), (O) and(P)
(5). Remove ..... 2 Screw(T), (U), (V).

Note: Connector (P) is connected to Power C. B. A



(See Fig D14)
(6). Lift up the Main C. B. A slightly.
(7). Disconnect ..... **Connector (Q).**

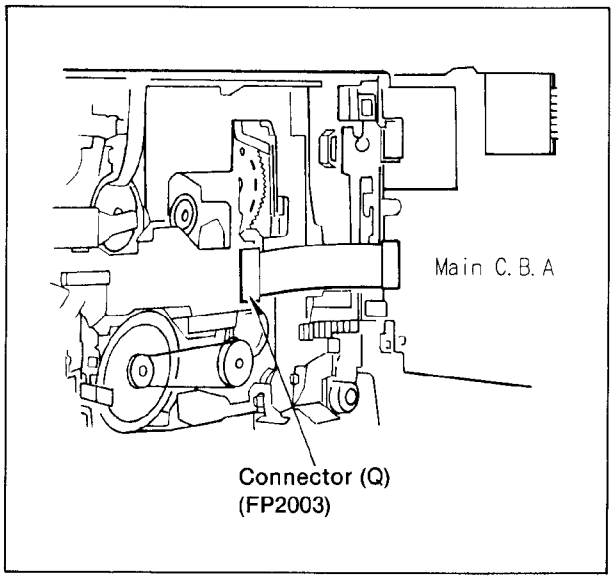


Fig. D14

6. Removal of Power C. B. A

(See Fig D15)

(1). Remove ..... 2 Screw(W).
(2). Slide the Power C. B. A.

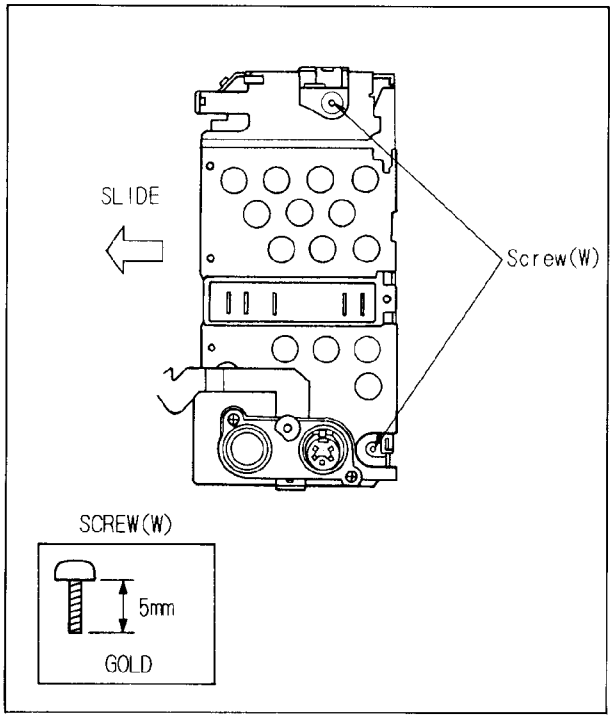


Fig. D15

7. Removal of Drive C. B. A.

(See Fig D16)

(1). Remove ..... 2 Screw(X)
(2). Disconnect ..... Connector (R), (S).

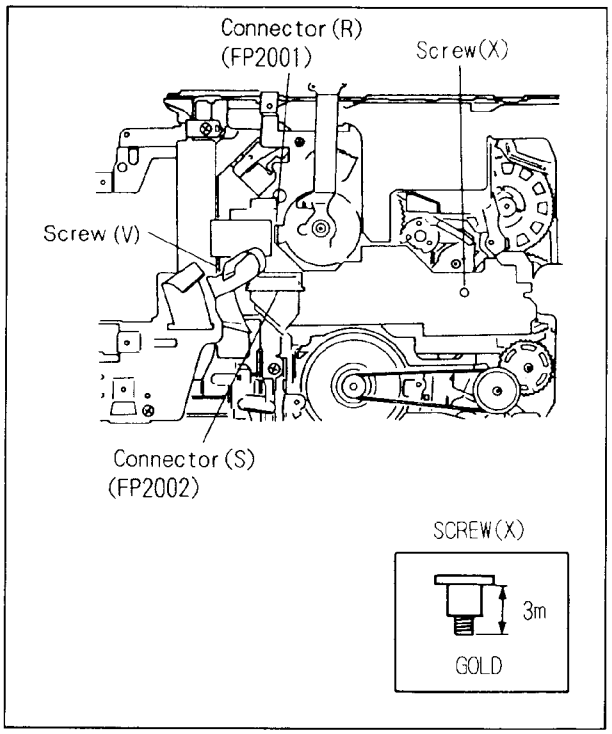


Fig. D16

2-2. DISASSEMBLY PROCEDURES OF LENS UNIT

The following flowchart describes order or steps for removing the Lens Units and certain printed circuit boards in order to make access to the item needing service.
To reassemble the unit follow the steps in reverse order.

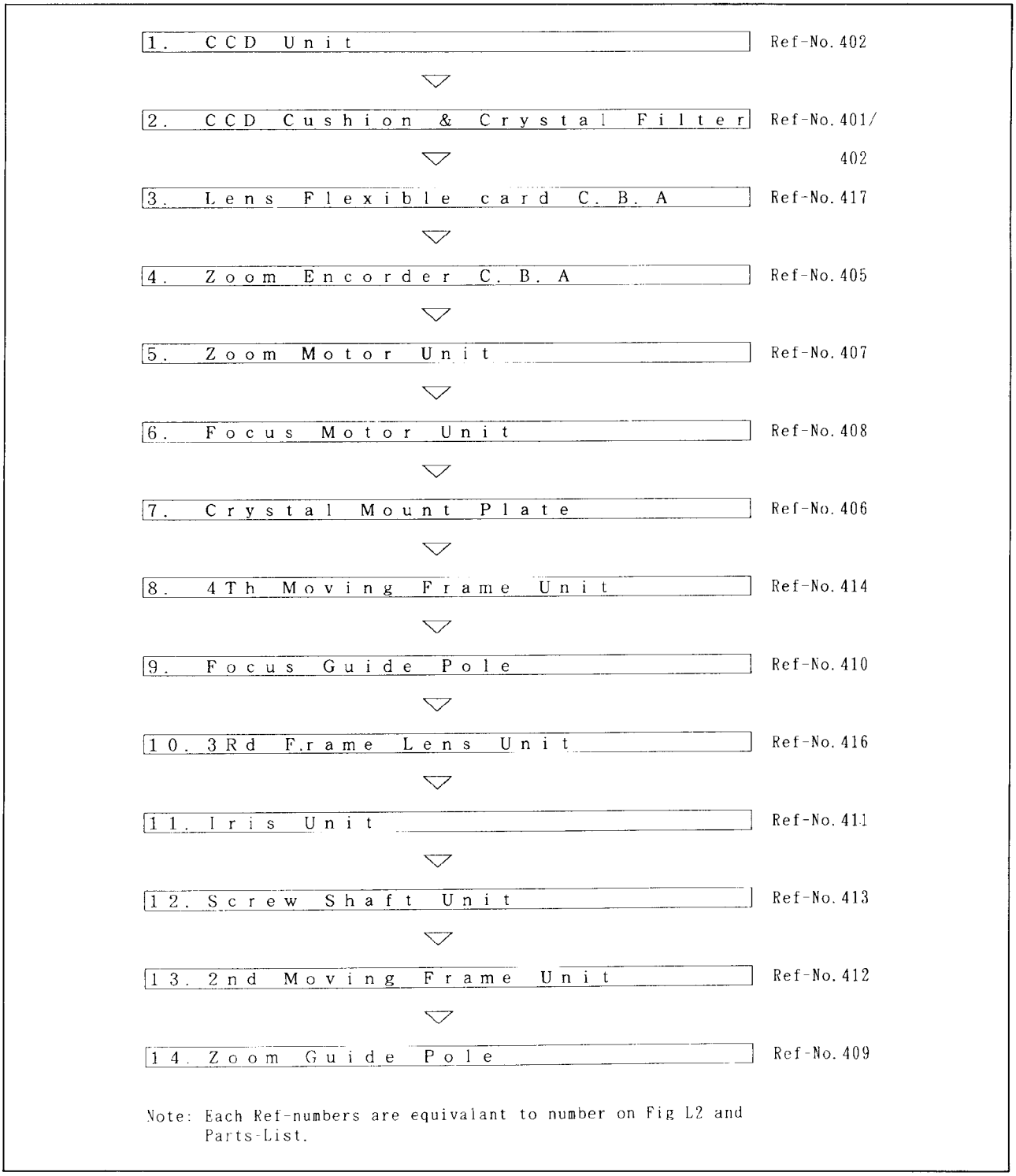


Fig. L1

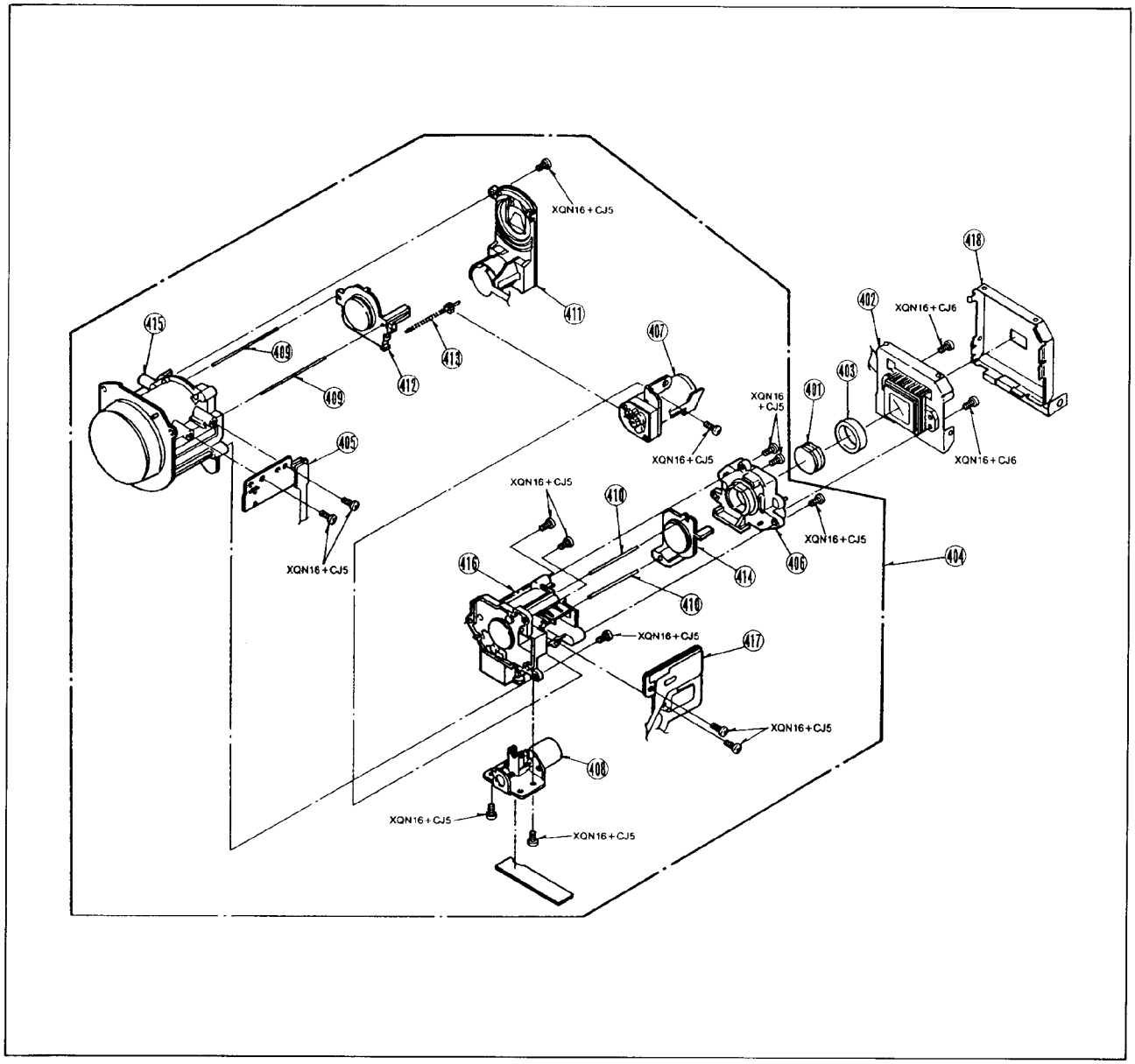

XQN16+CJ5
411
415
409
409
412
413
407
XQN16+CJ5
XQN16+CJ5
405
XQN16+CJ5
XQN16+CJ5
410
416
414
410
406
XQN16+CJ5
404
XQN16+CJ5
417
XQN16+CJ5
408
XQN16+CJ5
XQN16+CJ5
418
402
XQN16+CJ6
403
401
XQN16+CJ6

Fig. L2

2-3. DISASSEMBLY PROCEDURES OF MECHANISM

1. Removal of Cassette Holder Unit.

(1) Unsolder following flexible connectors on the bottom side.

(1) FLEXIBLE CONNECTOR TO SUPPLY PHOTO TR.
(2) FLEXIBLE CONNECTOR TO TAKE UP PHOTO TR.
(3) FLEXIBLE CONNECTOR TO LOADING MOTOR.
(4) FLEXIBLE CONNECTOR TO SENSOR LED.

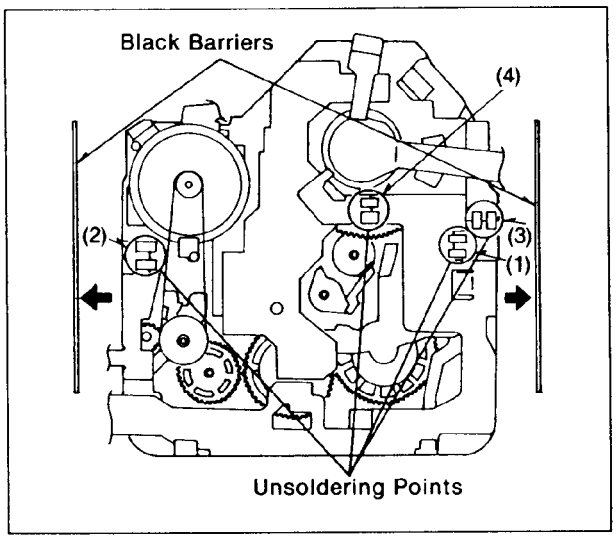


Fig. M1

(2) Remove 4 red screws indicated below.

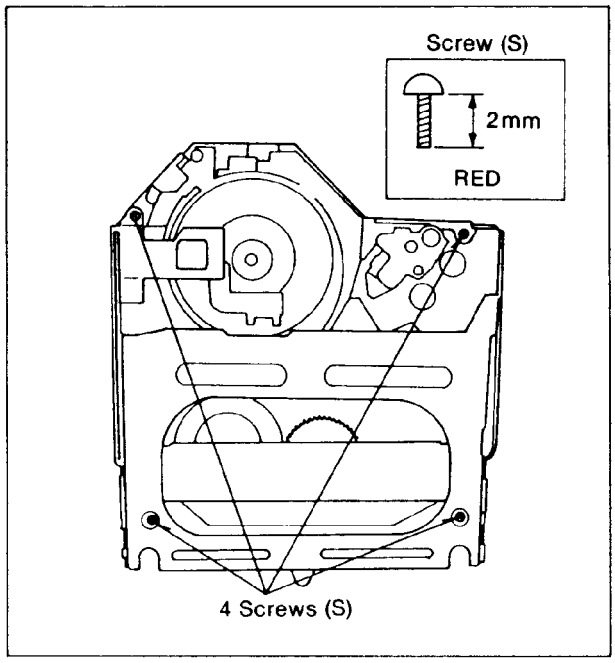


Fig. M2

(3) Release Eject Lock Lever and take out Cassette Holder Unit.

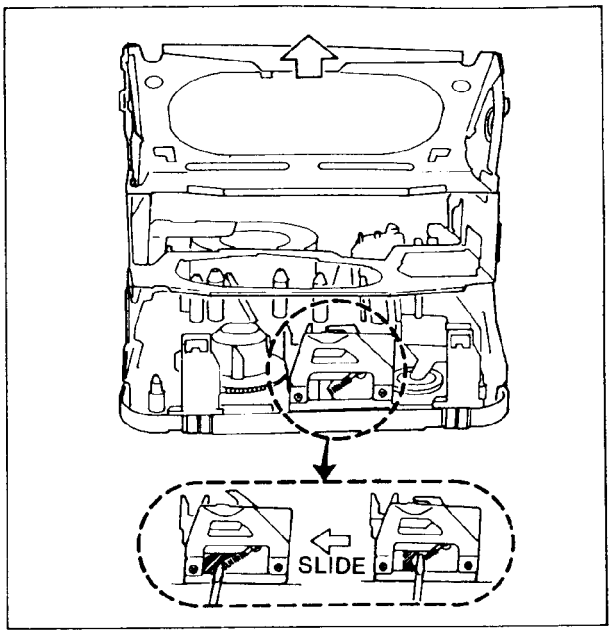


Fig. M3

2. REMOVAL OF DD CYLINDER UNIT.

Note: *
Upper Cylinder Unit is not replaceable on it's own. The DD Cylinder is only available as a unit.

(1) Remove RT (Rotary Transformer) Connector using a screw driver.
(2) Remove 3 screws to take out DD Cylinder Unit.

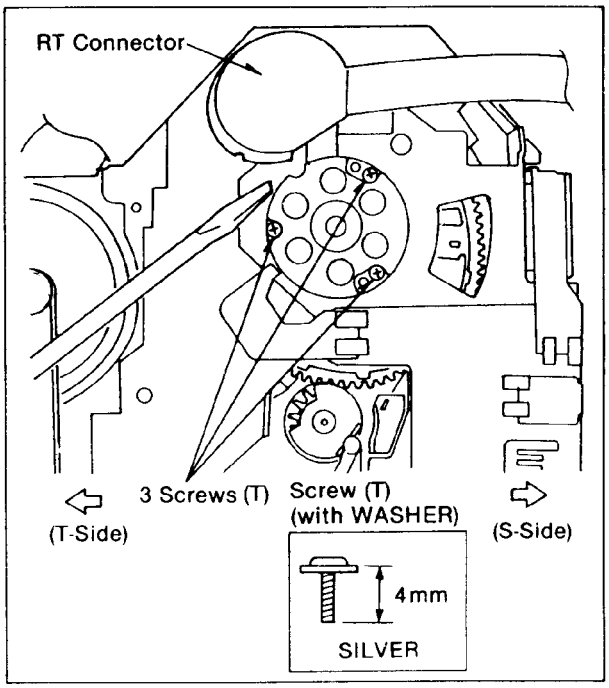


Fig. M4

3. REMOVAL OF S-RAIL UNIT, LOADING MOTOR UNIT & TENSION REGULATOR UNIT.

(1) Move tape loading Posts(S1, T1 and T2) half way in the tape loading direction by applying 1.5DC to Loading Motor.

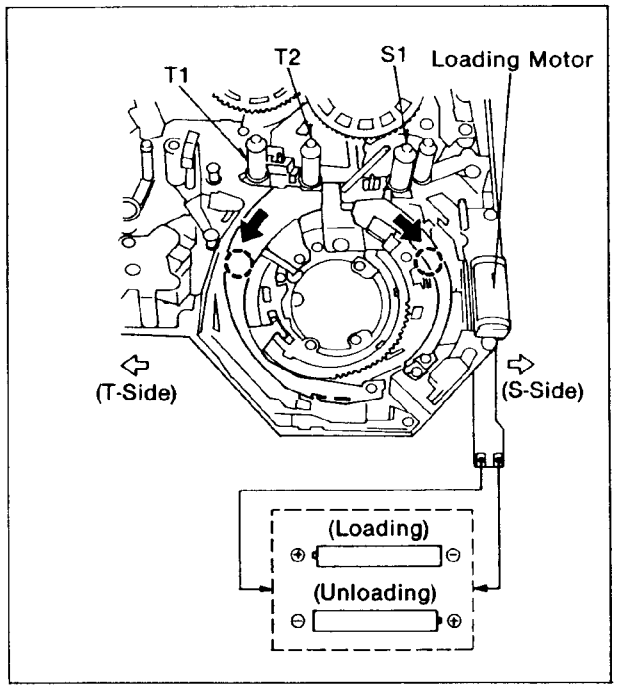


Fig. M5

(2) Remove 2 screws and take out S-Rail Unit.

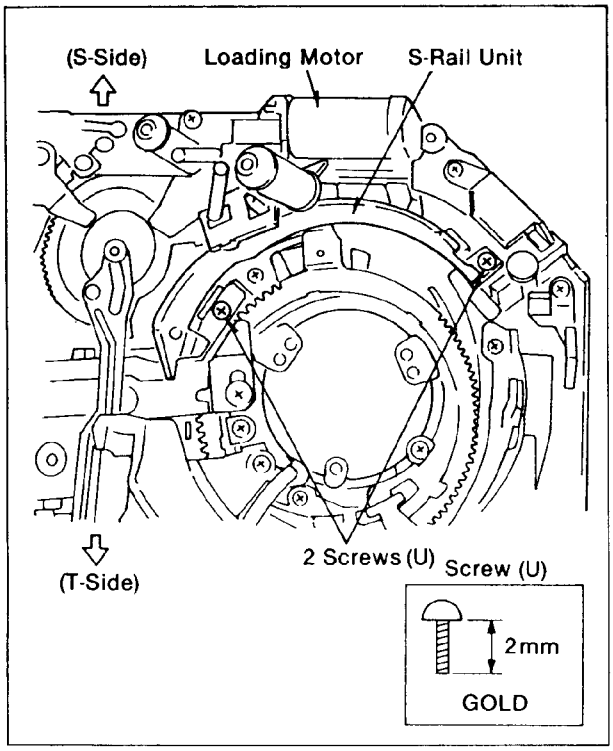


Fig. M6

(3) Remove 2 screws (Slightly move Loading Posts in the unloading direction.) and take out Loading Motor Unit.

(4) Unhook the spring (* Remember the original hooking position for reinstallation later), remove a washer and take out Tension Regulator Unit.
Don't lose a spacer underneath.

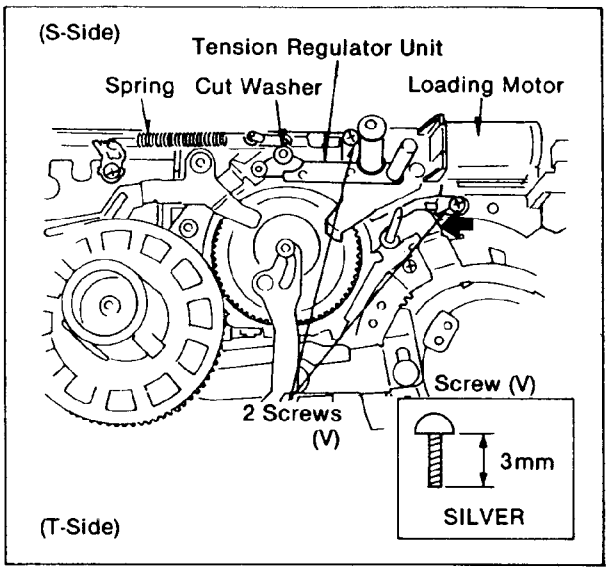


Fig. M7

4. REMOVAL OF SUPPLY REEL TABLE, EJECT LEVER UNIT AND PAD ARM.

(1) Remove a washer and take out Supply Reel Table. Don't lose a spacer underneath.

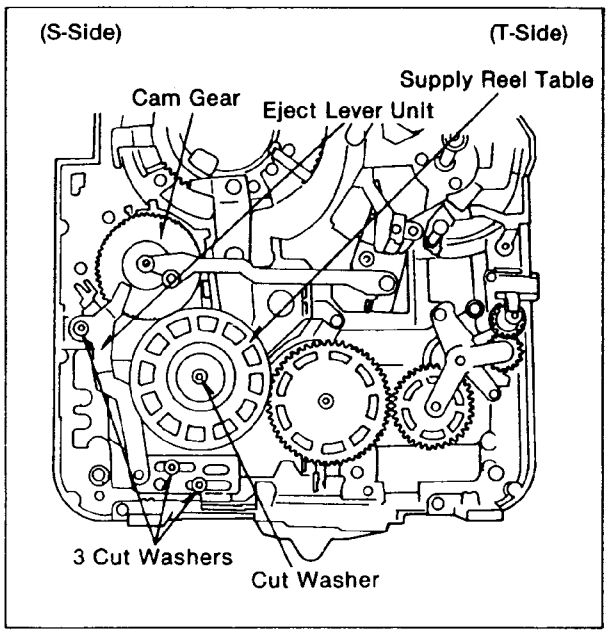


Fig. M8

(2) Remove 3 washers, 2 screws on Eject Lock Base to make clearance (* Eject Lock Base is soldered on the flexible P.C. Board.) to take out Eject Lock Lever.

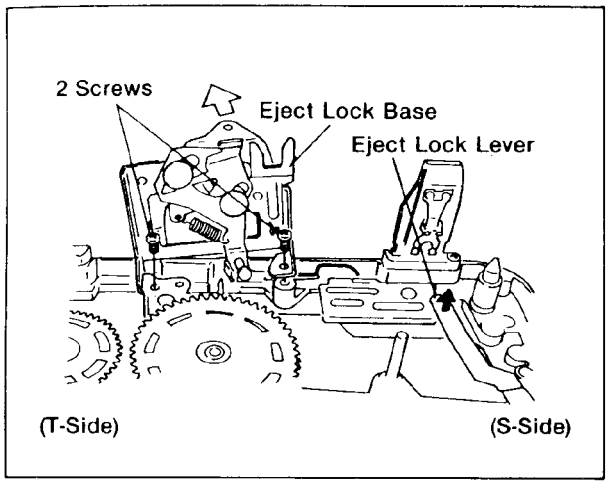


Fig. M9

(3) Remove 2 washers, pull Pinch Drive Arm to the left (S-side) and take it out.

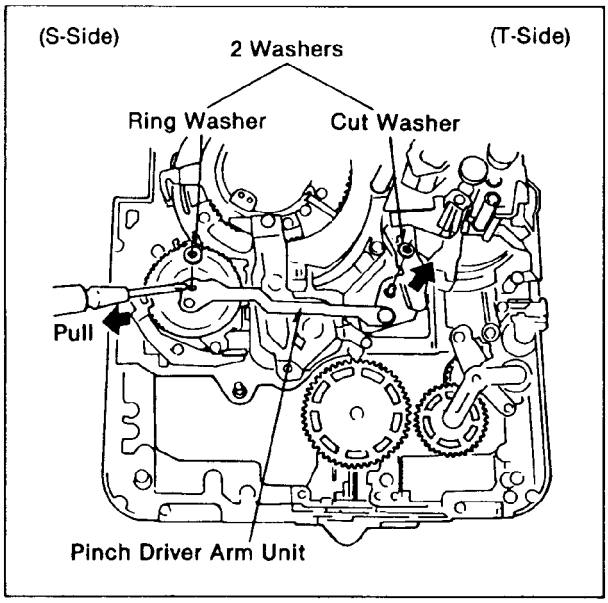


Fig. M10

(4) Remove a washer and take out Pad Arm.

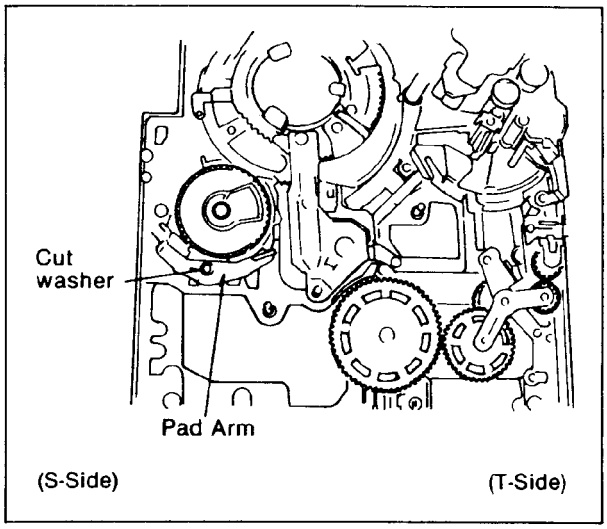


Fig. M11

5. REMOVAL OF T-RAIL UNIT, SWING ARM UNIT, LOADING UNIT AND MODE SW UNIT

(1) Remove 2 screws and take out T-Rail Unit. (* Flexible Connector of Sensor LED has to be unsoldered on the bottom side.)

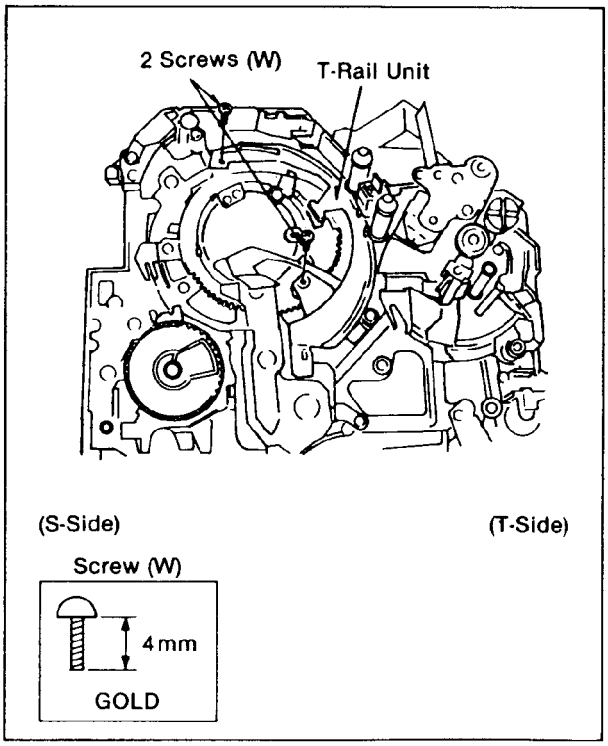


Fig. M12

Caution:
Do not touch inside cam Gear and keep the cam Gear away from grease and dusts.

(2) Remove 2 screws, take out Holder Angle and Swing Arm Unit.

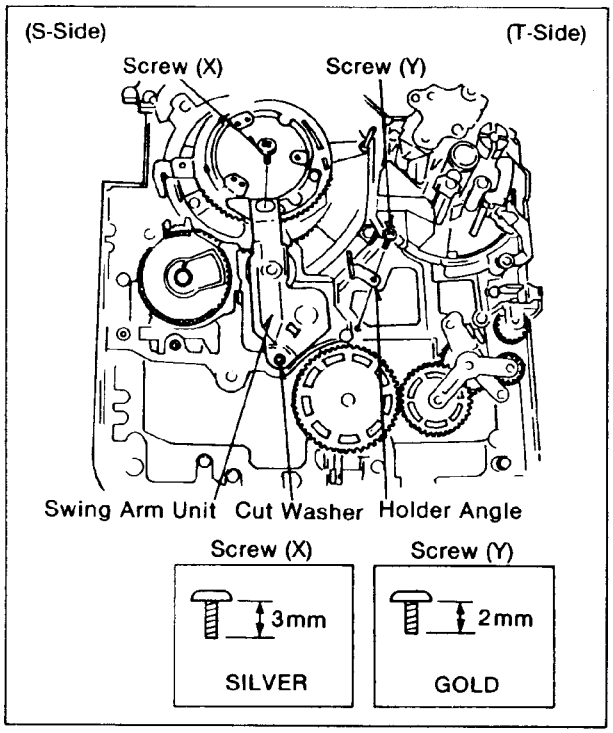


Fig. M13

(3) Remove 5 screws.

(4) Loosen Screw (a) to make a clearance and take out Loading Unit.

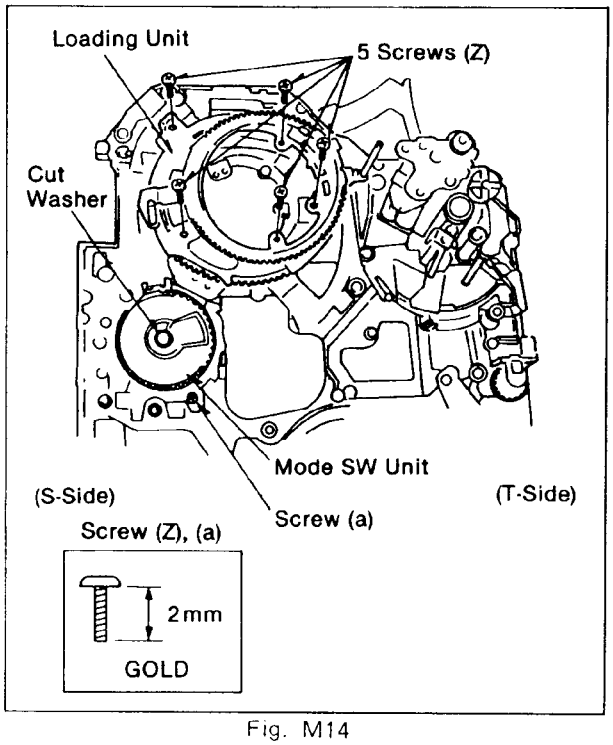


Fig. M14

(5) Remove screw (a) and cut washer to take out mode SW unit. (*Mode SW Base is soldered on the flexible P.C. Board)

2-4. ASSEMBLY AND PHASE ADJUSTMENT PROCEDURES OF MECHANISM

1. ASSEMBLY AND PHASE ADJUSTMENT OF LOADING UNIT.

(1) Install Loading Unit and tighten 5 screws.
(2) Adjust mechanical phase so that phase marks (See-through holes) meet on both supply and take up sides as shown below.

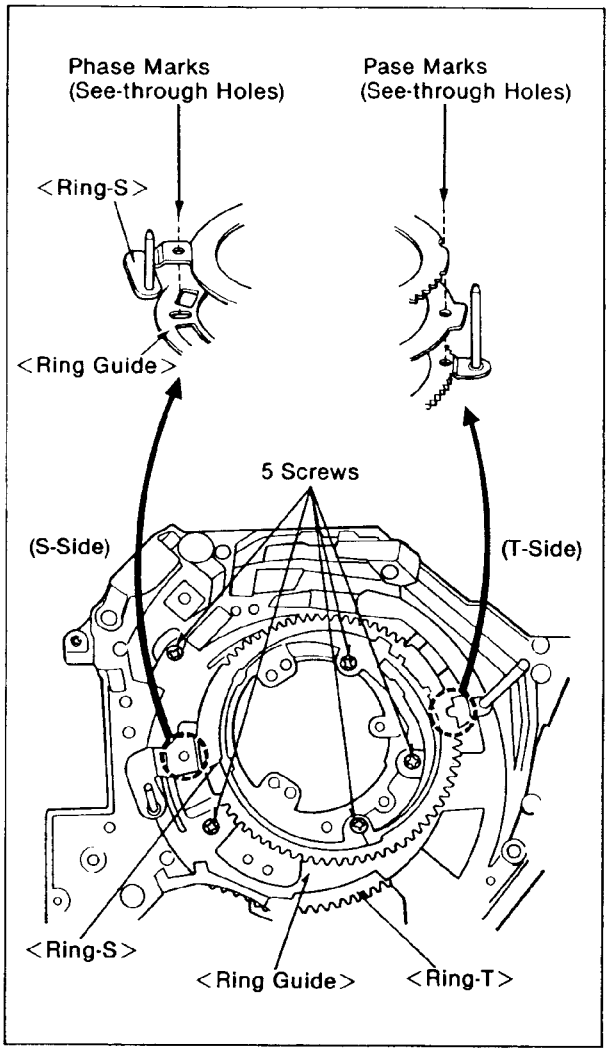


Fig. M15

2. ASSEMBLY AND PHASE ADJUSTMENT OF CAM GEAR.

(1) Install Cam Gear so that uneven cog portion meets the phase mark on the chassis and put the washer.

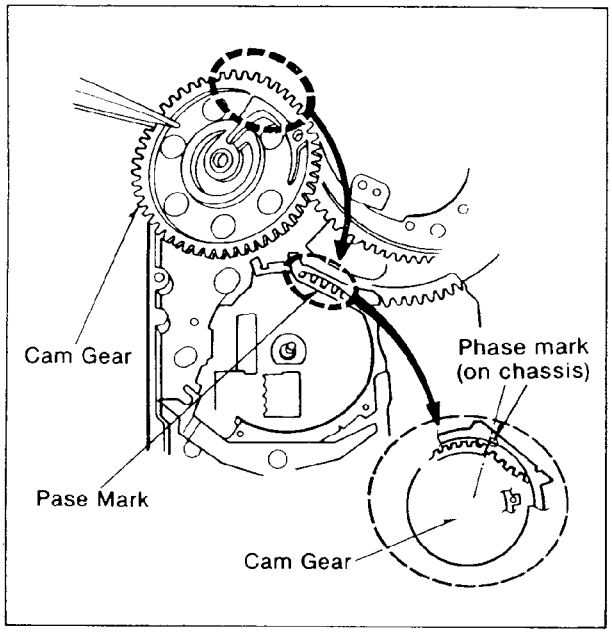


Fig. M16

3. ASSEMBLY OF PENDULUM ARM UNIT

(1) Install Swing Arm Unit and tighten 2 screws with the holder angle.
(2) Confirm that the phase mark on Loading Ring–T can be seen through the square cutout of Swing Arm Unit. The phase mark of Swing Arm Unit (V– cutout) aligns with the phase mark on Loading Ring–S Unit on the bottom side. There phase marks should be in the correct positions, if the previous phase adjustments have been done correctly.

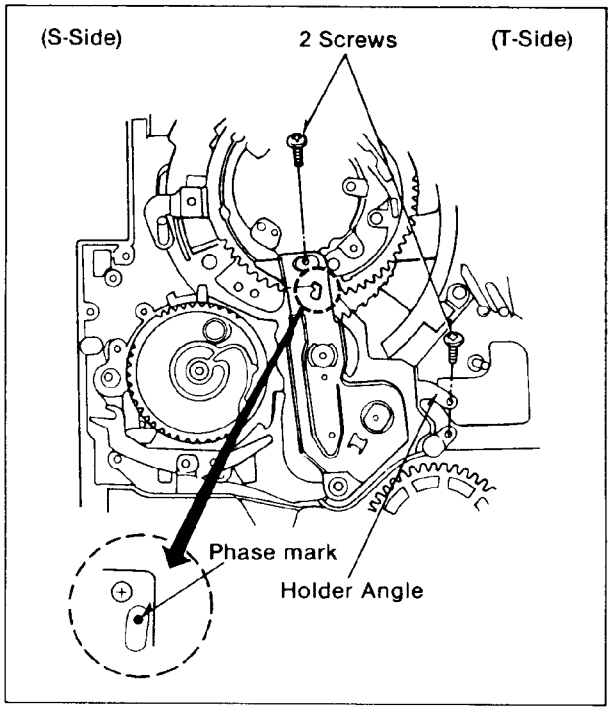


Fig. M17

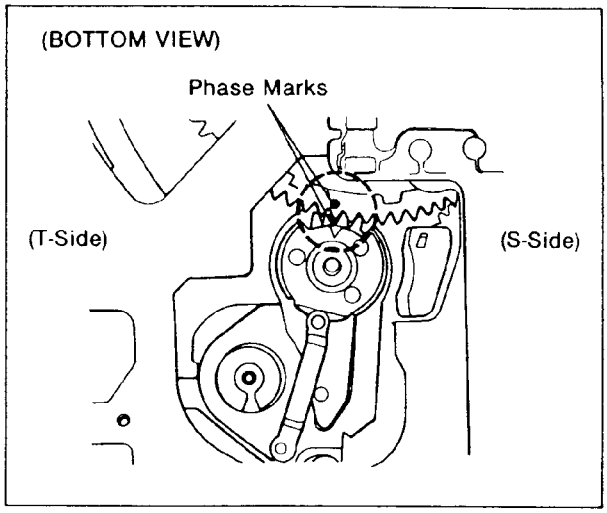


Fig. M18

4. ASSEMBLY OF LOADING UNIT PINCH DRIVE ARM UNIT AND CONFIRMATION OF MECHANICAL MOVEMENT

(1) Install Loading Motor Unit and tighten one screw. (one more screw has to be tightened after installing Pinch Drive Arm Unit)

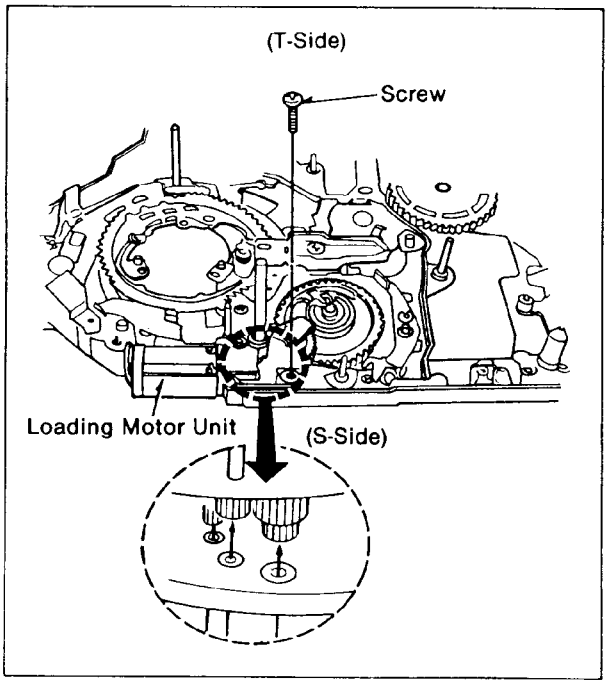


Fig. M19

(2) Install Pinch Drive Arm Unit and put on washer (A).

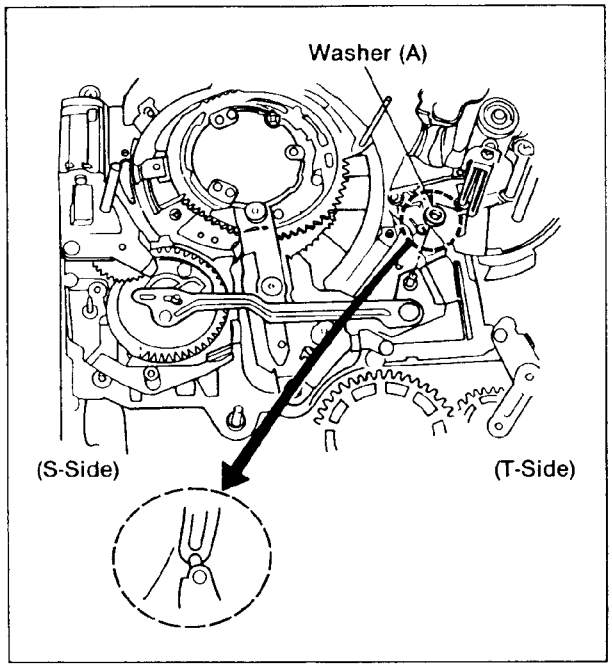


Fig. M20

(3) Move Pinch Roller to the unloading position by finger and put on washer (B).

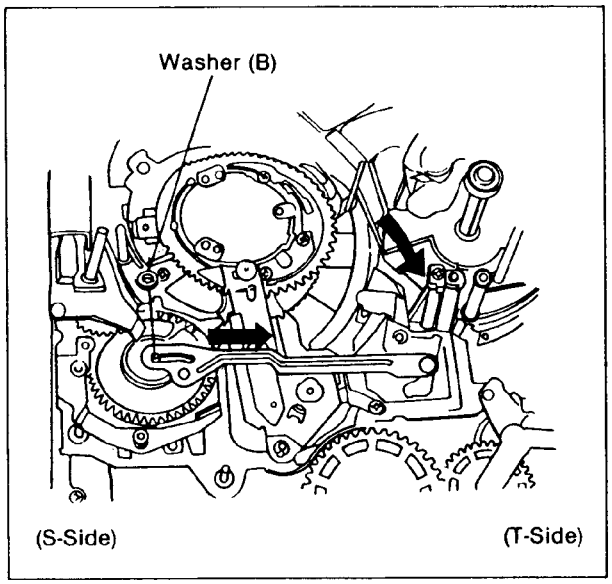


Fig. M21

(4) Slightly move Loading Ring-S in the unloading direction by applying 1.5VDC to Loading Motor and tighten the screw.

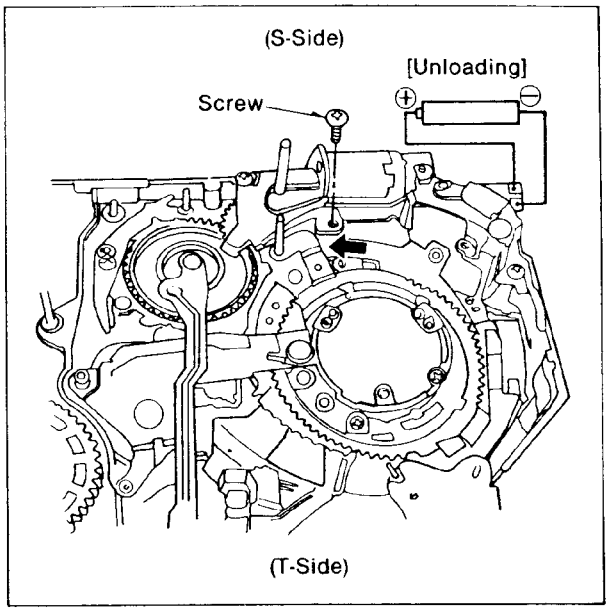


Fig. M22

(5) Confirmation of Mechanical Movement and phase.
In this condition, check that the mechanism smoothly moves in both loading and unloading directions by changing the polarity of the battery.
After that, move the mechanism back to the phase adjustment position and confirm all phase marks come to the correct position.

5. ASSEMBLY OF S-RAIL UNIT AND T-RAIL UNIT

(1) Install S-Rail Unit passing Link Post of Ring-S through the linking hole of the S-Rail Unit, and tighten 2 screws.

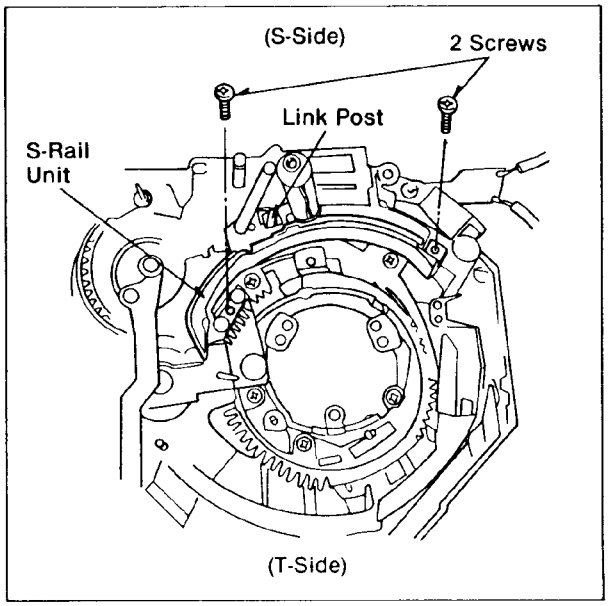


Fig. M23

(2) Install T-Rail Unit the same way and tighten 2 screws.
(3) Solder the flexible connector of Sensor LED on the bottom side.

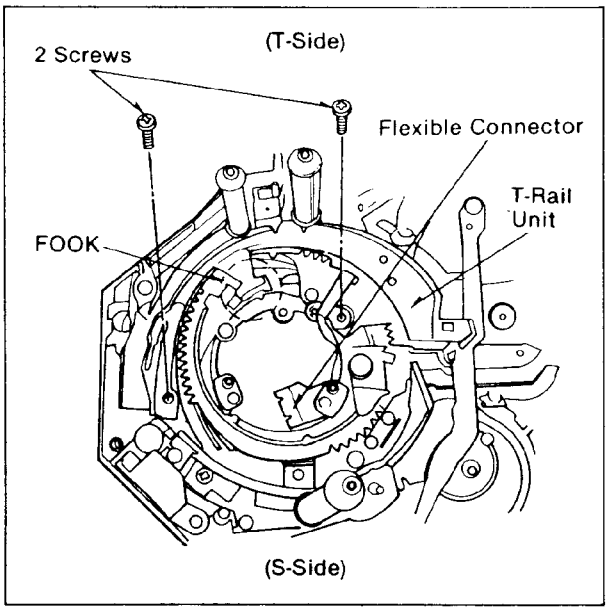


Fig. M24

6. ASSEMBLY OF EJECT LEVER UNIT

(1) Install Eject Lever Unit and link the arm with Eject Lock Base.
(2) Fix Eject Lock Base with 2 screws and Eject Lever Unit with 3 washers.

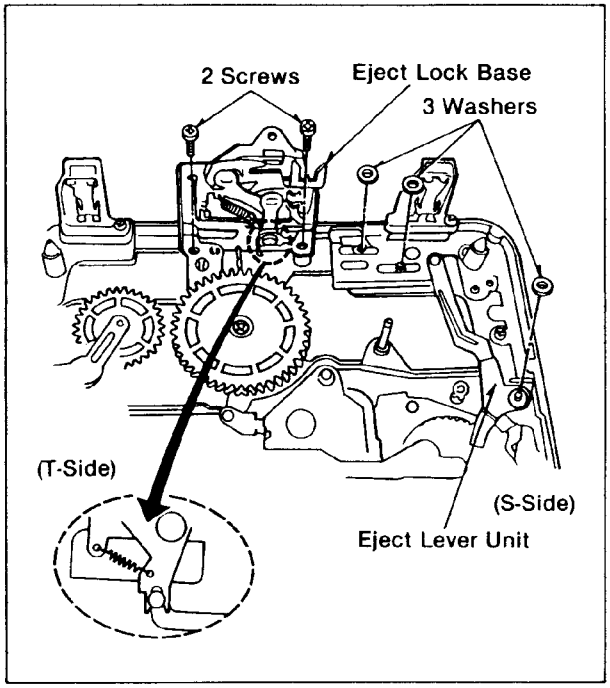


Fig. M25

7. ASSEMBLY OF TENSION REGULATOR UNIT.

(1) Install Tension Regulator Unit so that the guide arm fits in outer inside of Cam Gear.
(2) Put on washer and hook Tension Spring in the original position.

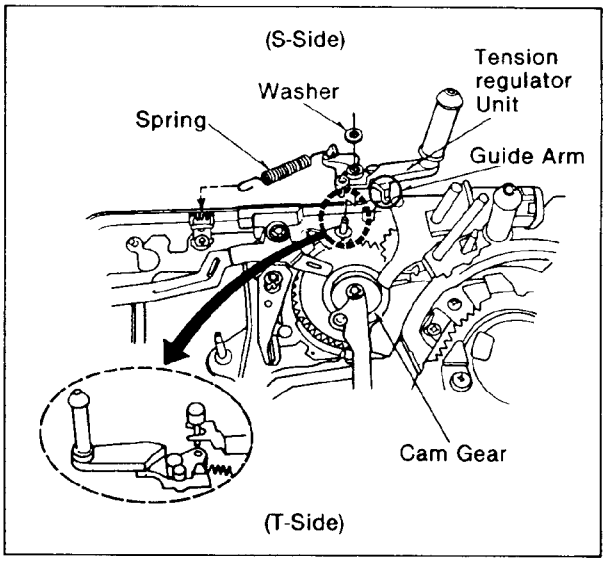


Fig. M26

8. ASSEMBLY OF SUPPLY REEL TABLE

(1) Install Supply Reel Table and put on the washer.

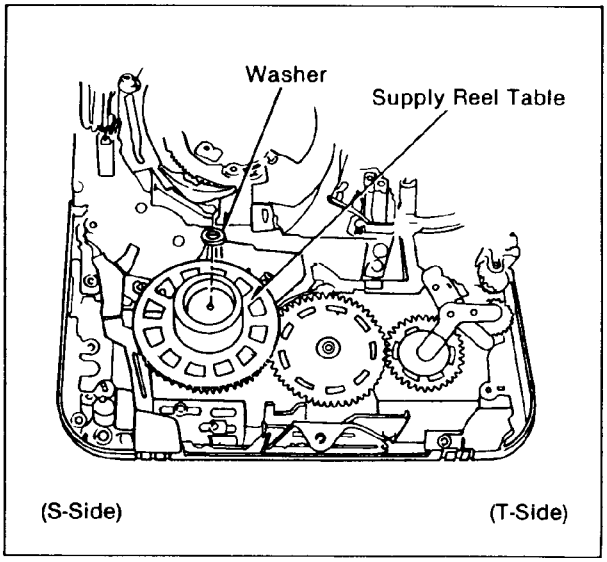


Fig. M27

9. ASSEMBLY OF DD CYLINDER UNIT

(1) Install DD Cylinder unit so that the fixating pins fit into the fixing holes, and tighten 3 screws from the bottom side.

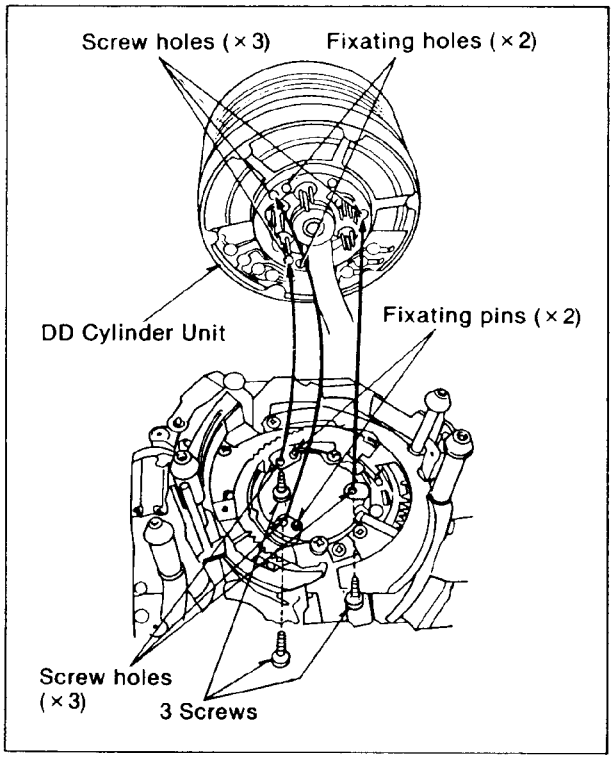


Fig. M28

10. ASSEMBLY OF RT CONNECTOR

(1) Hold RT Connector aligning the phase mark of RT Connector (as indicated) to the phase mark on the chassis.
(2) Carefully Install the RT Connector passing lead pins of DD Cylinder Unit through each corresponding hole of the RT Connector.

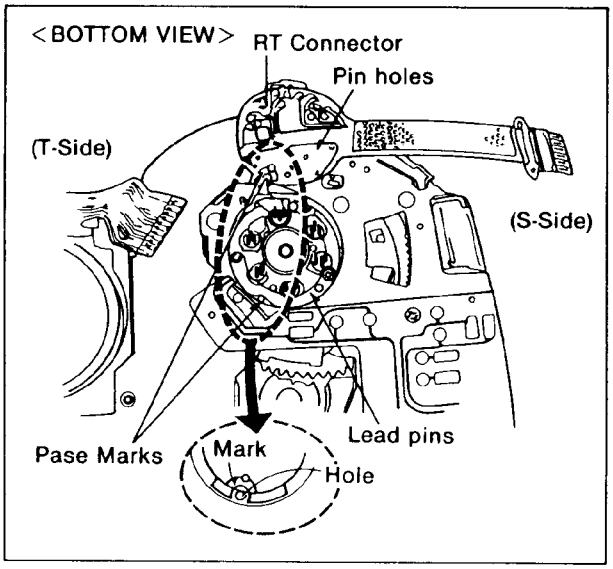


Fig. M29

11. ASSEMBLY OF CASSETTE HOLDER UNIT

(1) Install Cassette Holder Unit and tighten 4 red screws.
(2) Solder flexible connectors of Supply Photo Sensor, Take up Photo Sensor and Loading Motor Unit on the bottom side.

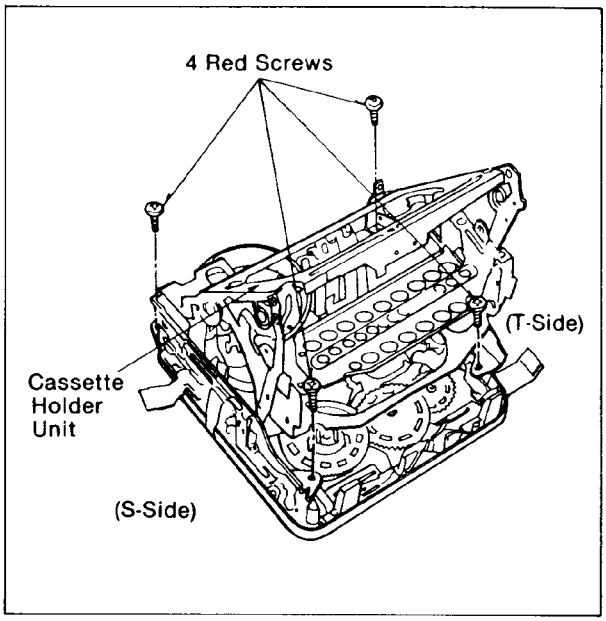


Fig. M30

2-5. INTERCHANGEABILITY ADJUSTMENT

1. BACK TENSION ADJUSTMENT

* Equipment Required
Tension Meter
VHS-C Cassette Tape
Specification 18+3/−1.5g(16.5g~21g)

(1) Play back (remove the cassette tape cover) tape.
(2) Set Tension Meter at the measuring point and read the value.
(3) If the value is out of specification, change the hooking position of Tension Spring.
(4) Install Cassette Holder Unit.

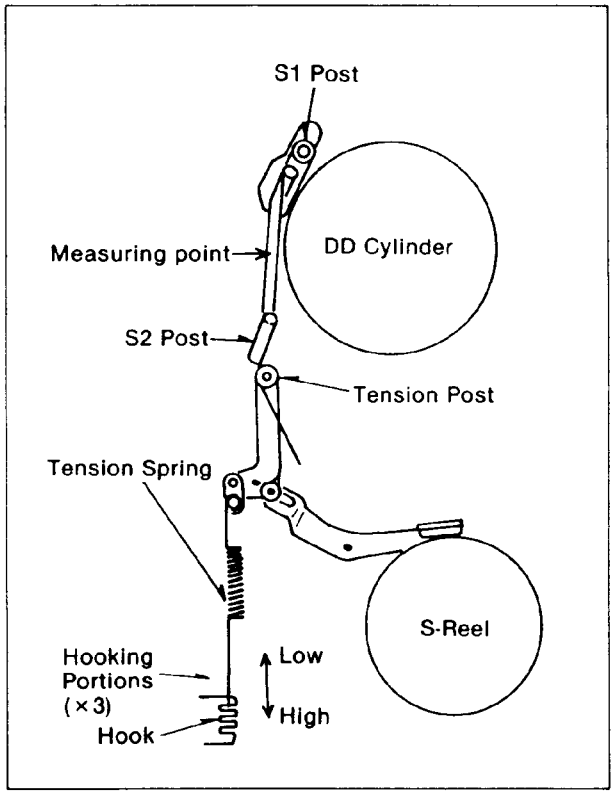


Fig. M31

2. HEIGHT ADJUSTMENT OF TAPE GUIDE POSTS AND A/C HEAD (PRELIMINARY ADJUSTMENT)

Confirmation of Tape Travel
(1) Playback a cassette tape (remove the cassette tape cover) and check that the tape travels without curling at upper and lower guides on posts S1, T1, T2 and T3.

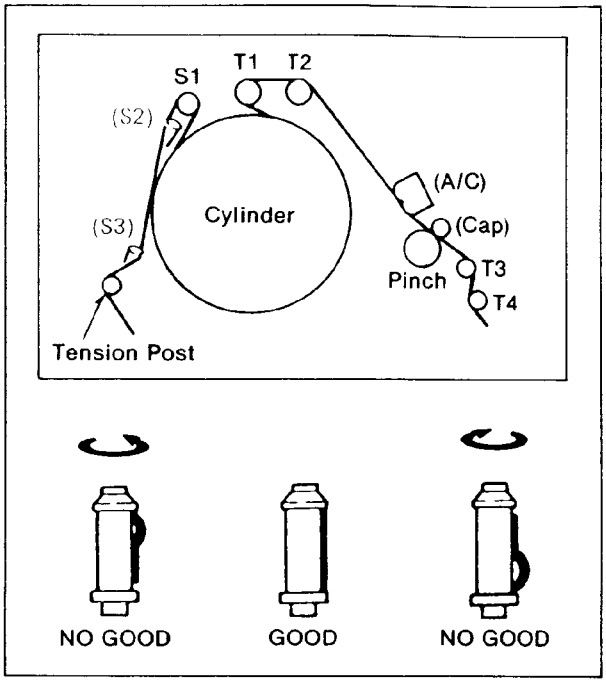


Fig. M32

(2) If curling is apparent, adjust the height of posts by turning the top of post with a Hex Wrench.
(3) Looking at the lower edge of the Control Head with the tape in motion, ensure that lower edge of Control Head. If it doesn't turn the A/C Head height Adjustment Nut slightly in the direction necessary to correct it.

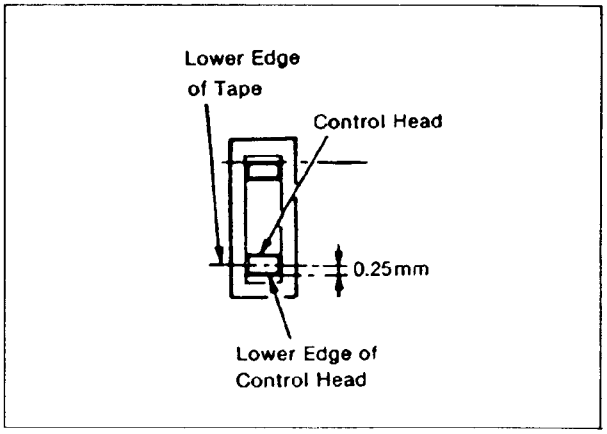


Fig. M33

3. TAPE INTERCHANEABILITY ADJUSTMENT

NOTE:
To perform these adjustments, make sure that the tracking control is set in the fixed position by Pressing both tracking Up/Down switches at the same time.

* Equipment Required
  Dual Trace Oscilloscope
  Alignment tape (VFM8180HUPF)

[AZIMUTH ADJUSTMENT OF A/C HEAD]

(1) Connect the oscilloscope to Audio Line Output.
(2) Play back the Monoscope portion (6KHZ,MONO) of the Alignment tape.
(3) Adjust the Azimuth Adjustment screw on the A/C Head Unit so that output level is at a maximum.

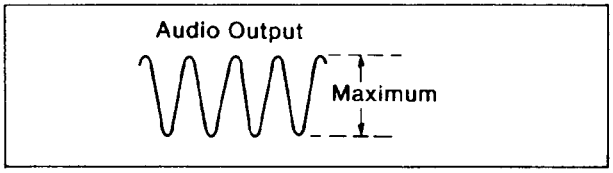


Fig. M34

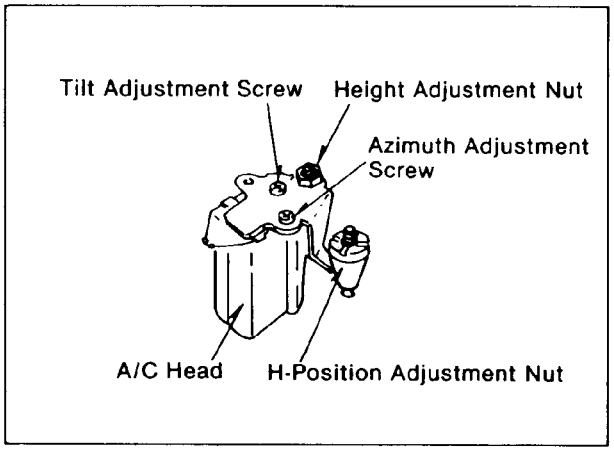


Fig. M35

[CONFIRMATION/ADJUSTMENT OF ENVELOPE]

(1) Connect the oscilloscope to CL3004. (refer to Fig. M40)
(2) Play back the Monoscope portion of the Alignment Tape and adjust the height of S1 and T1 posts watching the scope display so that the RF envelope becomes as flat as possible.
(3) When the RF envelope has a Gap at the beginning of the track, adjust height of S1 post.

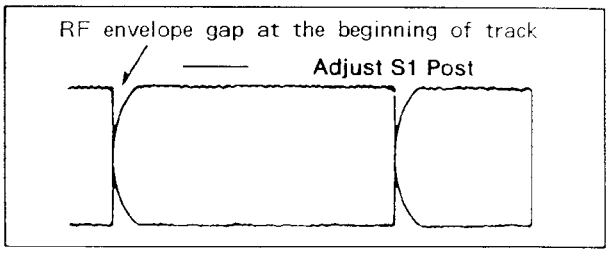


Fig. M36

(4) When the RF envelope has a gap at the end of the track, adjust height of T1 post

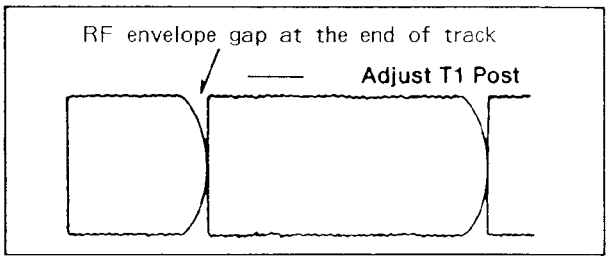


Fig. M37

(5) When S2 and T1 Posts are adjusted properly, there is no gap of the RF Envelope at the beginning or end of the track as shown below.

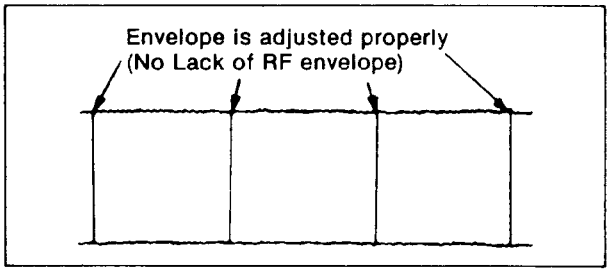


Fig. M38

[HORIZONTAL POSITION ADJUSTMENT OF A/C HEAD]

(1) Set the tracking control to the fixed position by pressing both tracking control UP/DOWN switches at the same time, and connect the Oscilloscope to TP8001.
(2) Playback the monoscope portion of the alignment tape.
(3) Adjustment horizontal position by turning H-Position Adjustment Nut so that the envelope level is at a maximum.

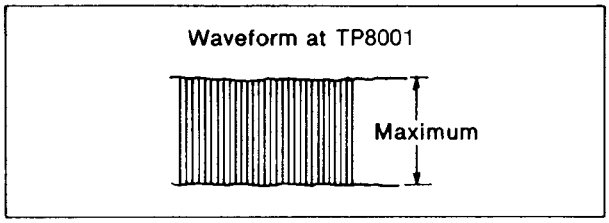


Fig. M39

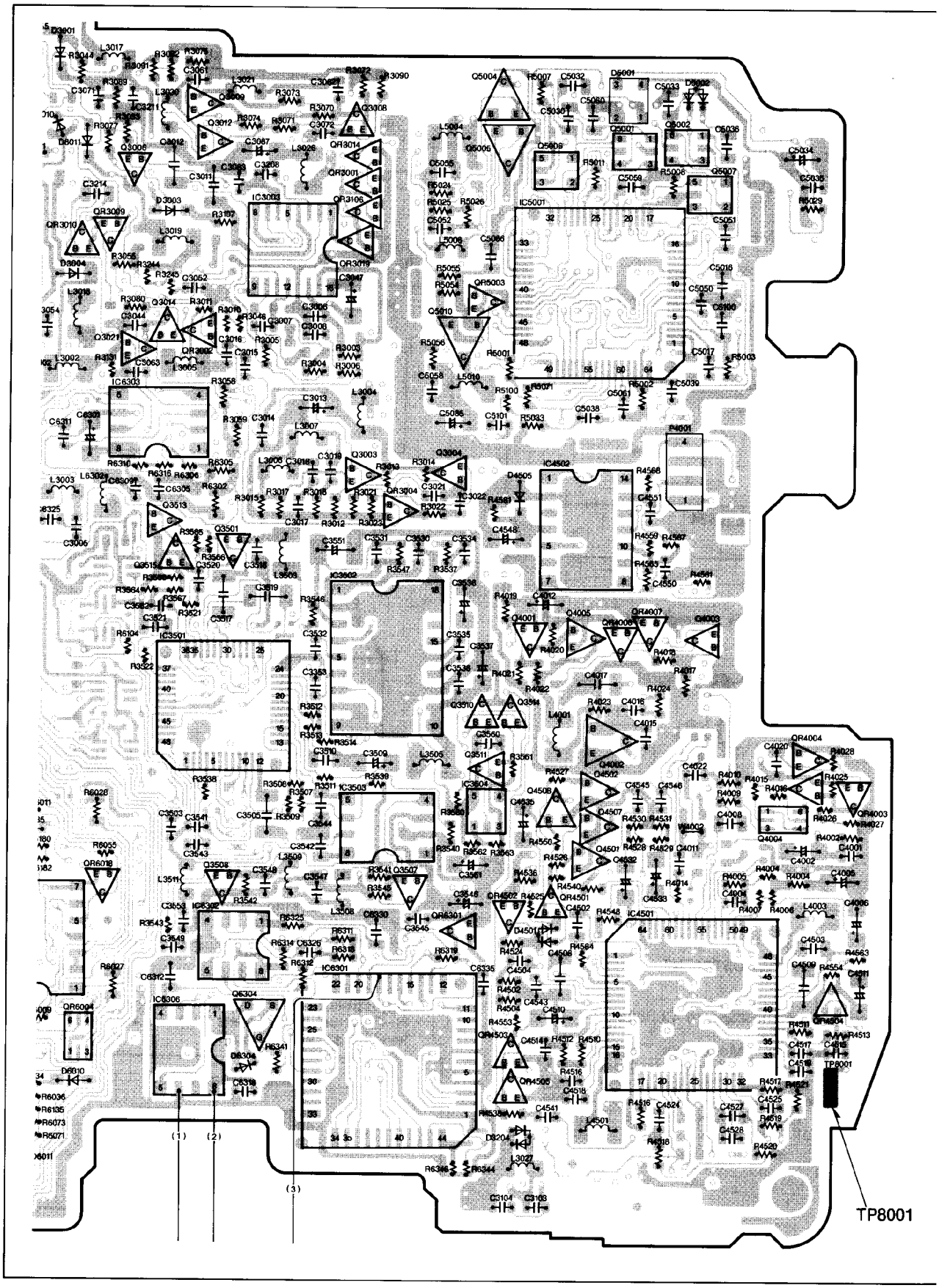
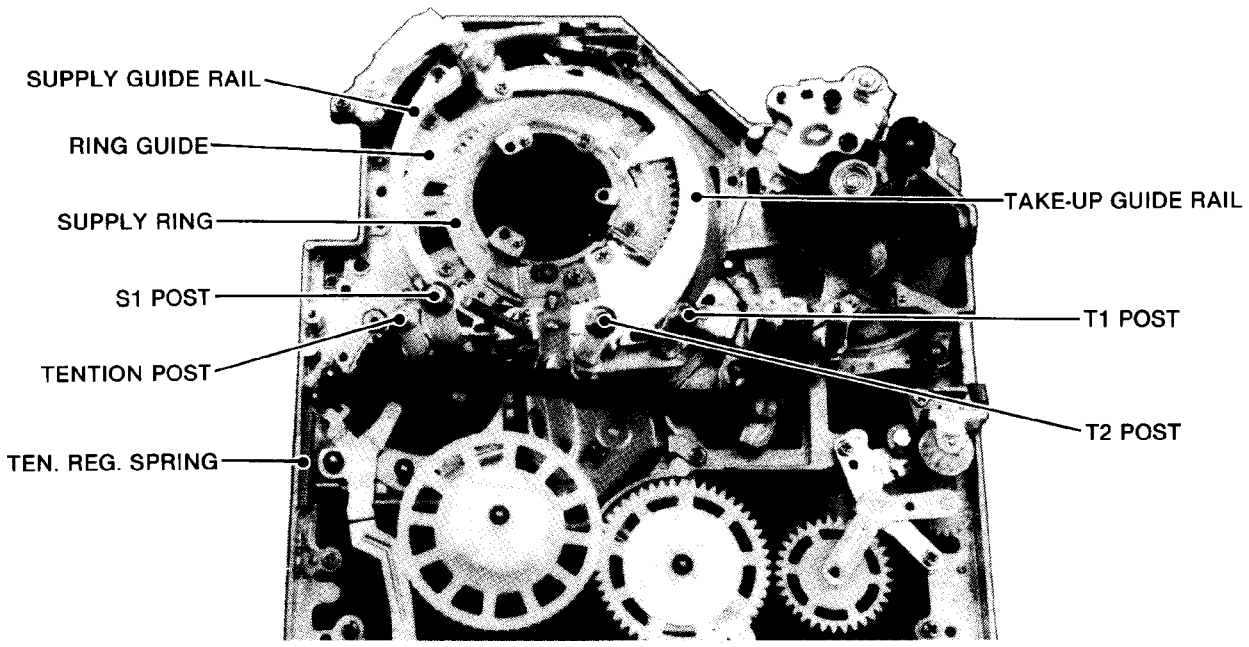


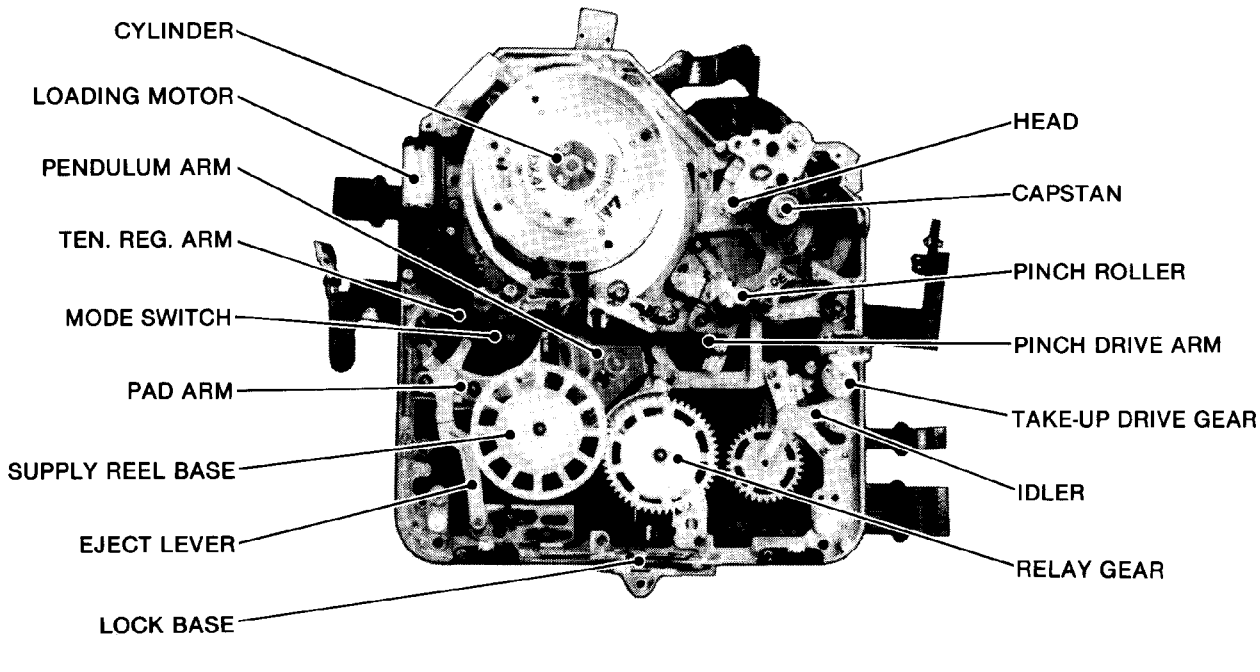
Fig. M40

1 Movement of Mechanism

1. Name of Mechanism



* RING T is located underneath of RING GUIDE



2. Movement to Mechanism

1. Loading operation

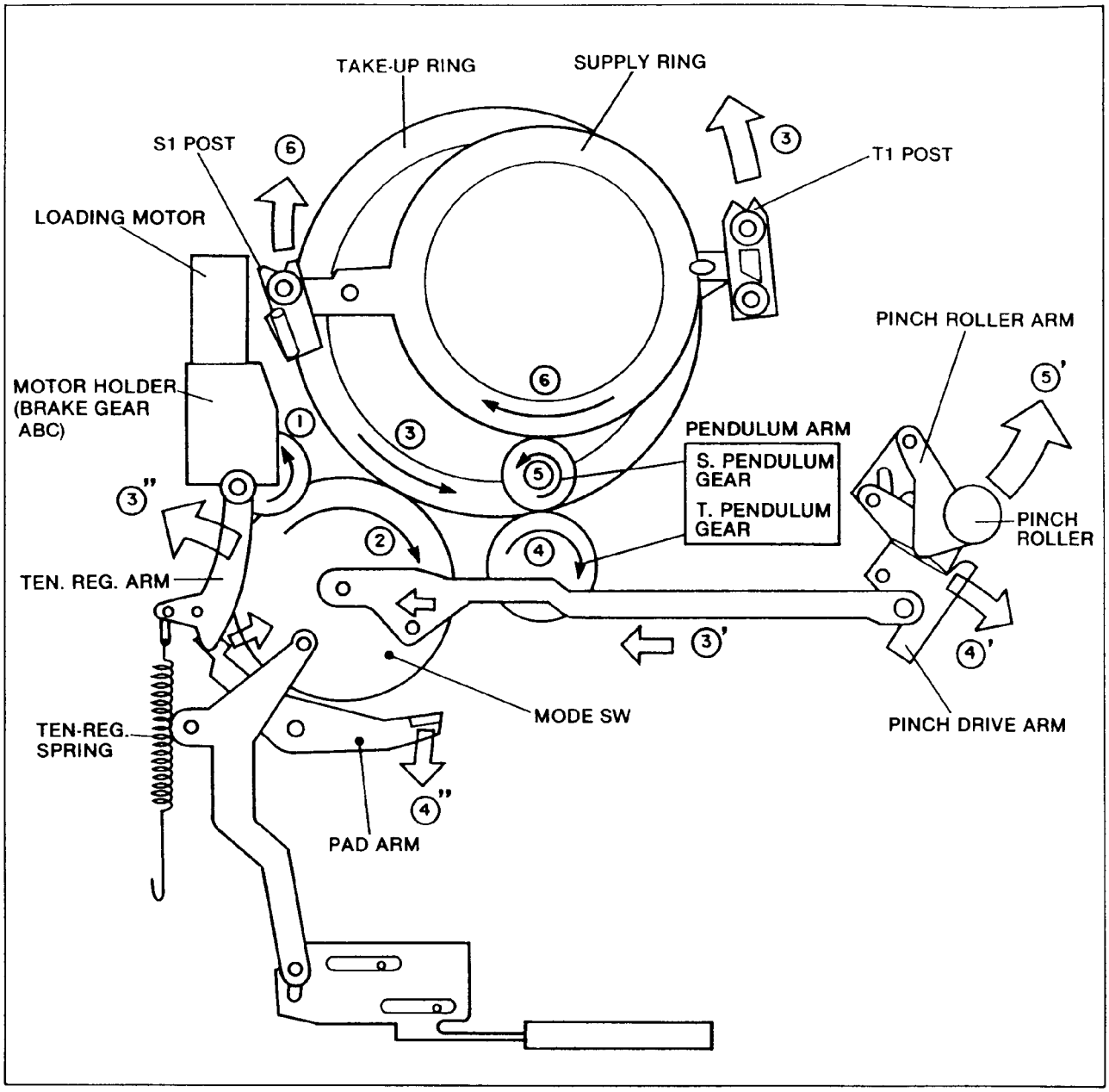


Fig. 1 Loading Mechanism

Motive power of loading motor is transferred in the direction of the arrow.

Drive of loading post.
Head Contact Pinch Roller with capstan shaft.
(Play Position)
Head Contact Pad Arm with S.Reel table.
(Play Position)

2. Eject operation

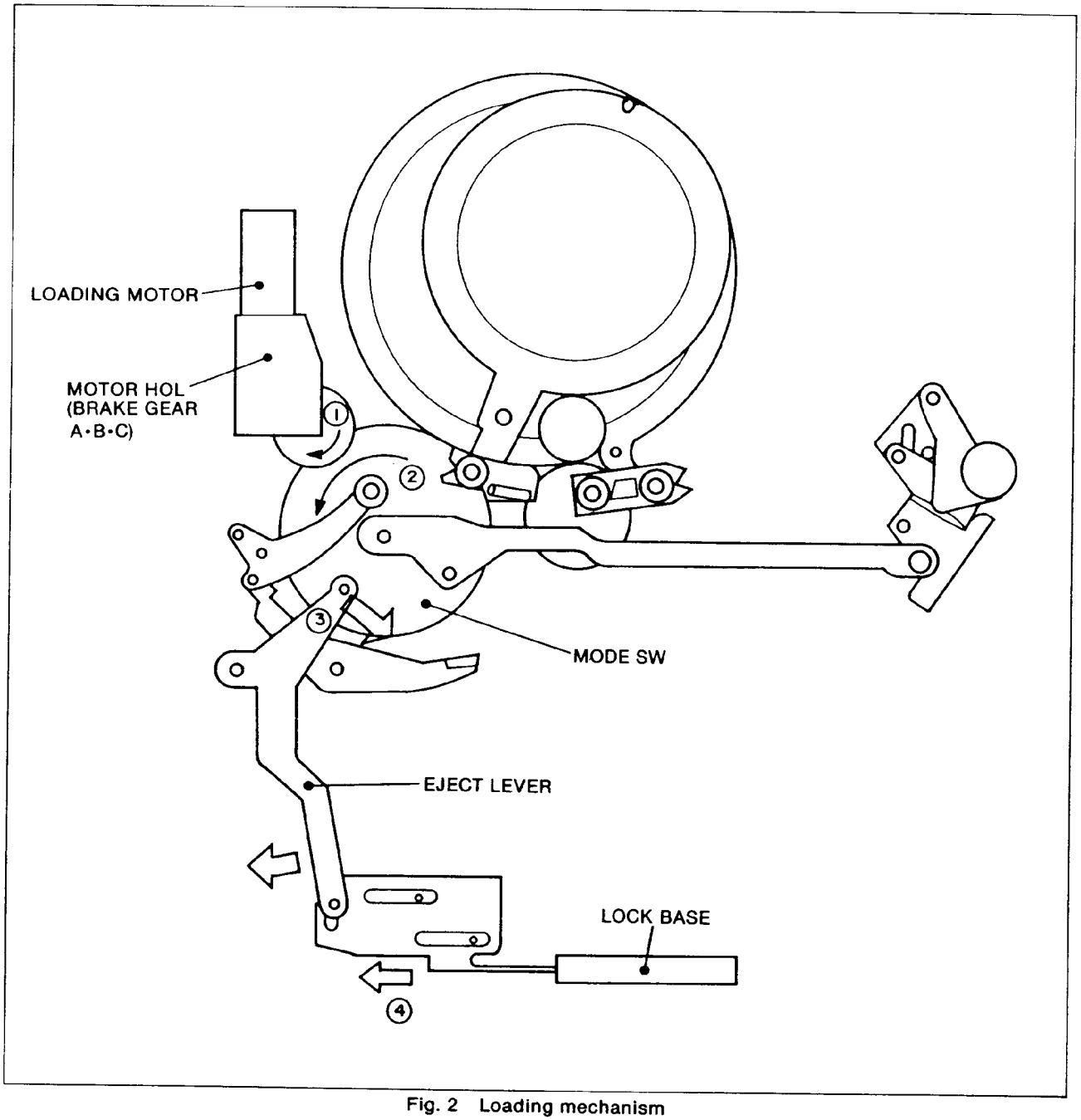


Fig. 2 Loading mechanism

Motive power of loading motor is transferred in numerical order.

After cassette up operation, the gears are moved in the opposite direction of the arrows, to turn back stop1 position.

3. Movement of Reel table

1. FF operation

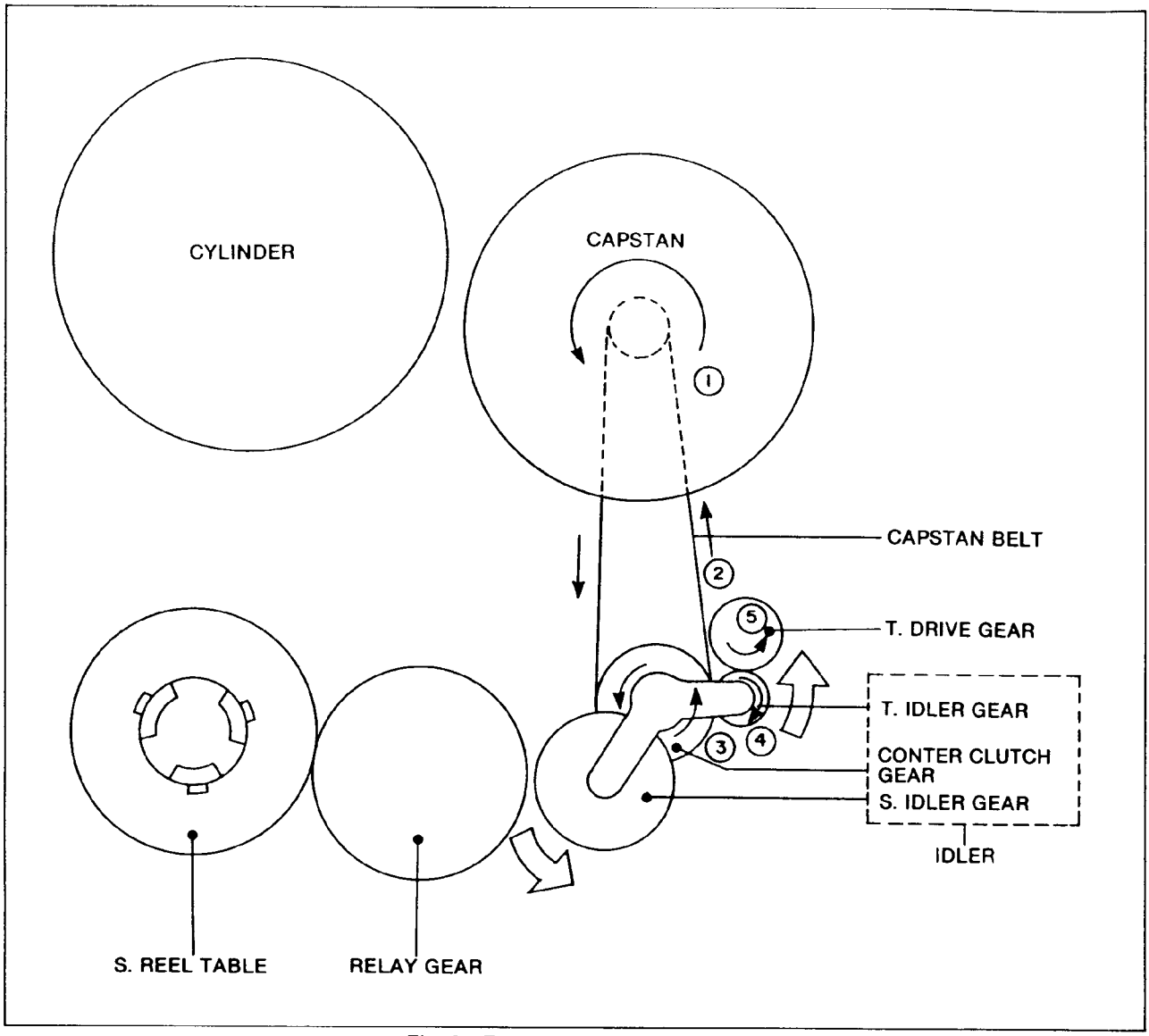


Fig. 3 Take-Up side of Reel Drive

Motive Power of Capstan motor is transferred to idler (Center clutch Gear) through the capstan belt.
At this time, Position of idler is decided by rotation of capstan motor.
After that, Motive power is transferred in numerical order.
Finally, Take-up Reel is rotated by T.Drive Gear.
Pad Arm is moved by Ten. Reg. Arm, and then (the Ten.Reg.Arm is moved into contact) with lower side of S.Reel table in order to apply back tension to tape.

2. REW operation

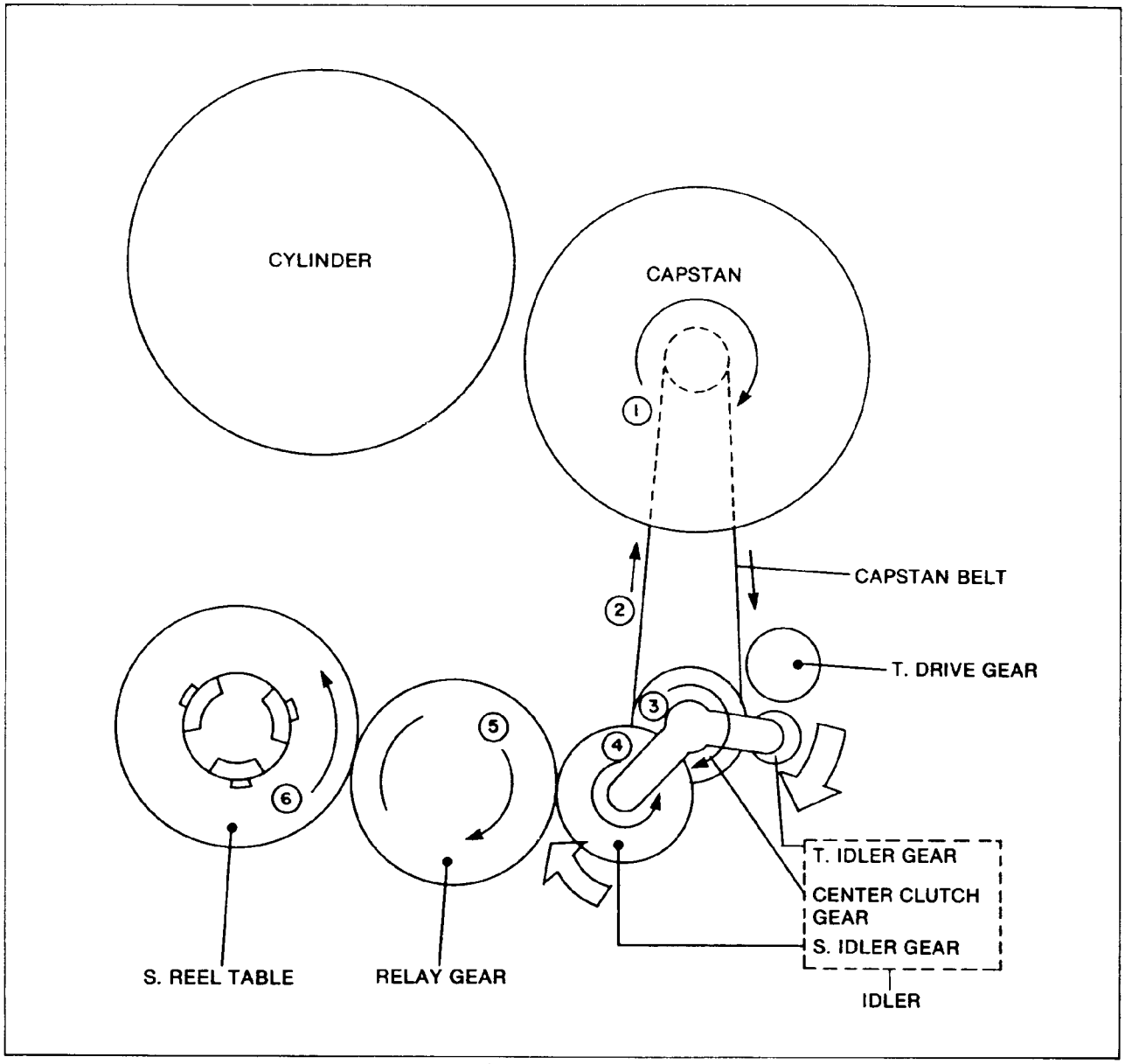


Fig. 4 Supply side of Reel drive

Motive power is transmitted in numerical order.
At this time, idler is in contact with the Relay Gear by capstan rotation.
Back tension is generated by contact Drive Gear T with REW Torgue spring(Including the idler unit).

2 Alignment of Mechanism

Following mechanical phase Position is important for mechanical alignment.

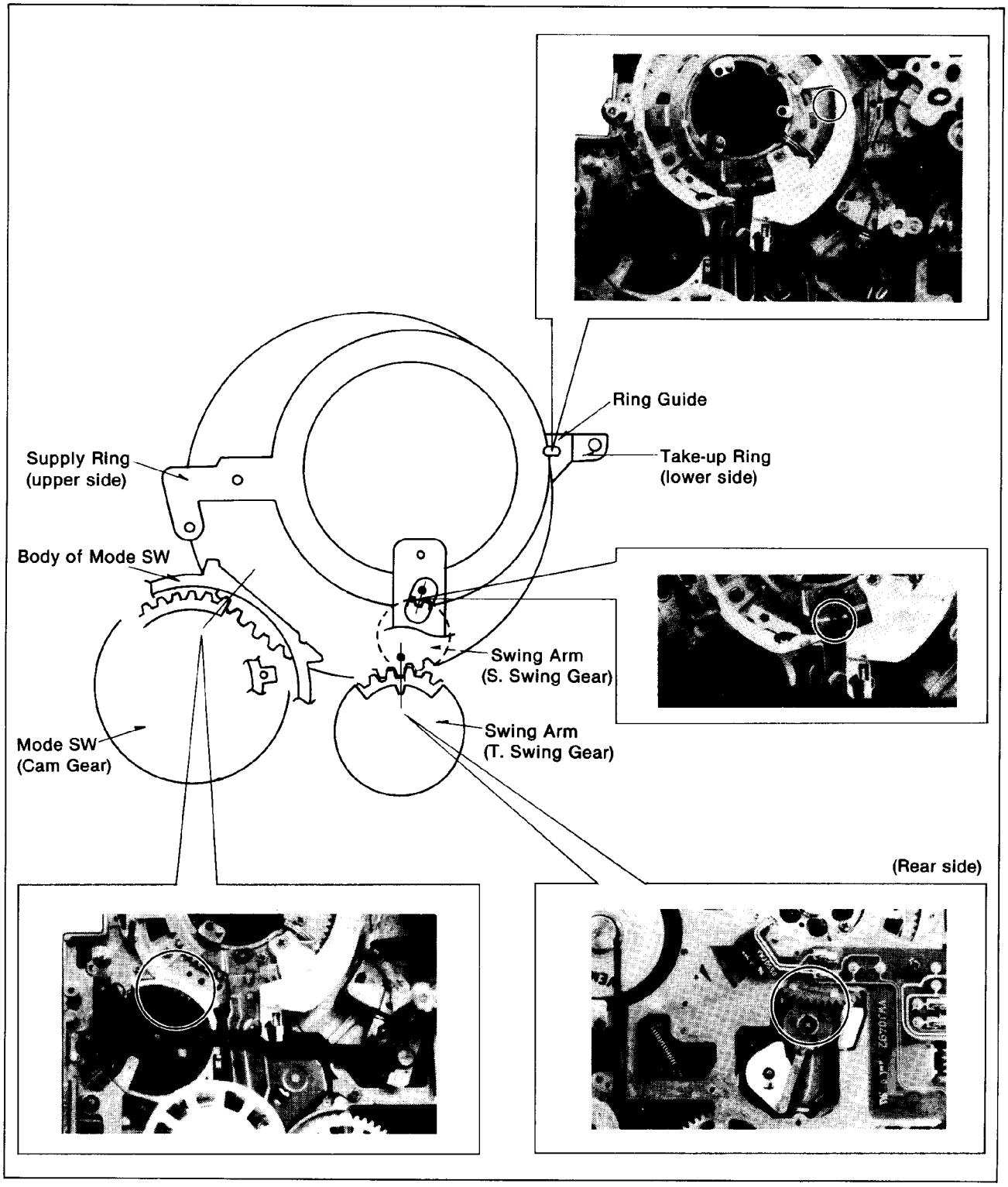
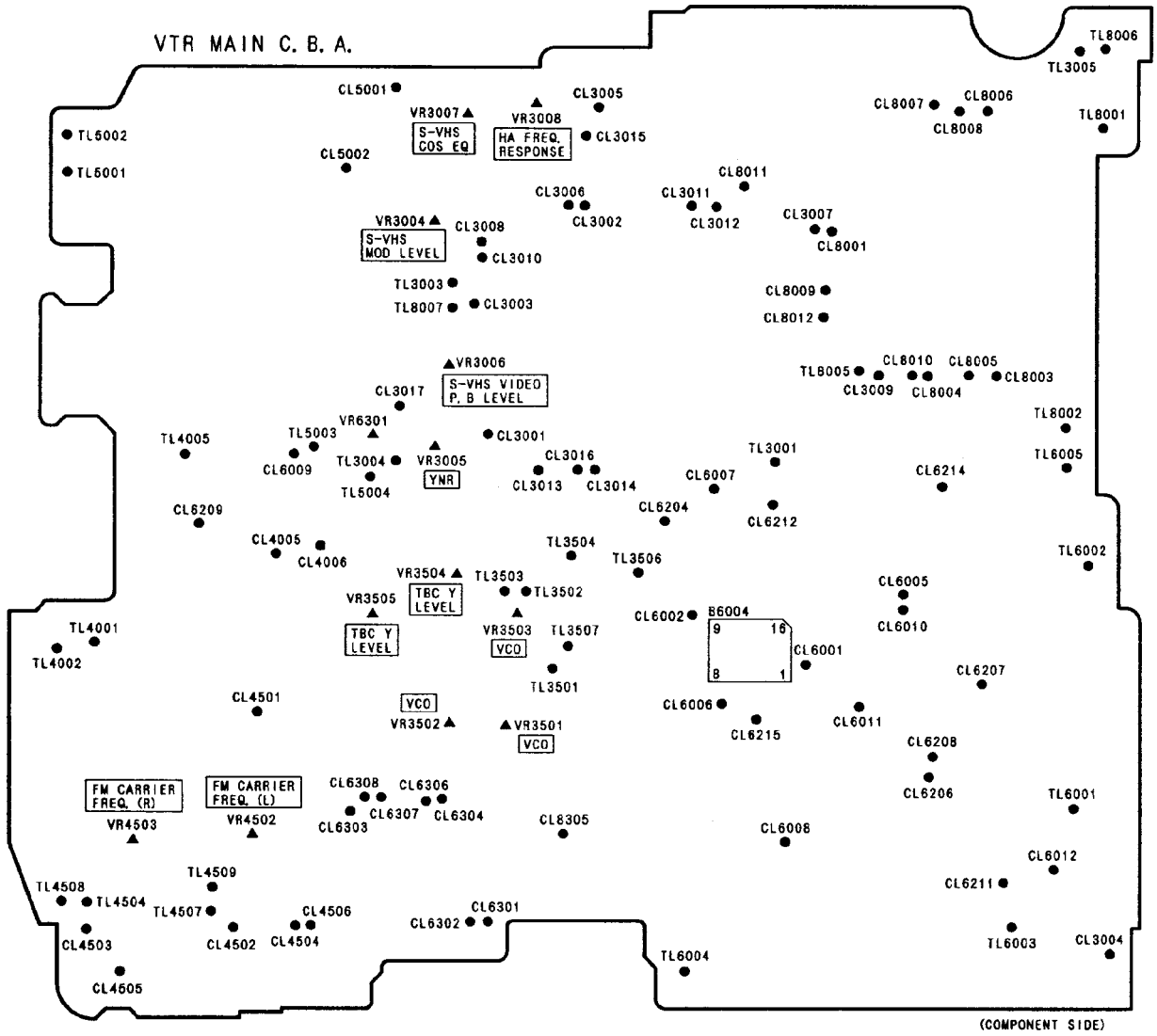
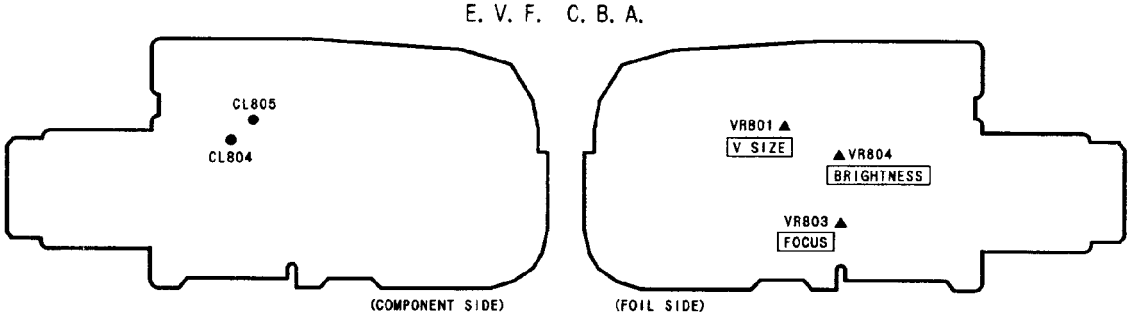


Fig. 5 Mechanism Phase

Note : Adjustment procedure supplement for camera unit is separate volume from now.
Please refer to following manual for detail of adjustment procedure of camera.
Order number for adjustment procedure (camera) supplement : VMD9406M124.
(It will be supplied a few weeks later.)

LOCATION OF TEST POINTS & CONTROLS





2-6. ERECTRICAL ADJUSTMENT PROCEDURES

2-6-1. ELECTRICAL ADJUSTMENT FOR VTR SECTION

TEST EQUIPMENT AND TOOLS

The following equipments are required for adjustment of the VTR section of VHS-Movie.

1. DVM (Digital Volt Meter)
   Voltage Range : 0.01-50V

2. Dual Trace Oscilloscope.
   Voltage Range : 0.06-50V/div
   Frequency Range: 0-50MHz
   Probe :10:1 or 1:1
   Frequency Range: 0-10MHz
3. Video Sweep Generator
   Frequency Range: 0-10MHz
4. Colour Monitor TV
5. Plastic Tip Driver
6. VHS-C Movie Aligment Tape (VFM8180HUPF)
7. VHS-C Blank Tape
8. S-VHS-C Blank Tape

PREPARATION

1. Remove the casing panels.
   (Please refer to disassembly method)
2. Connect the extension cables is necessary.

* VFK0668 (Main B6002~SIDE CASE (R) B6551)
* VFK0723 (Process B301 ~Camera Operation)
* VFK0894 (Process P301~AWT)
* VFK0913 (Main FP3003 ~Process FP302)
* VFK0972 (Process FP301 ~ Power FP1001)

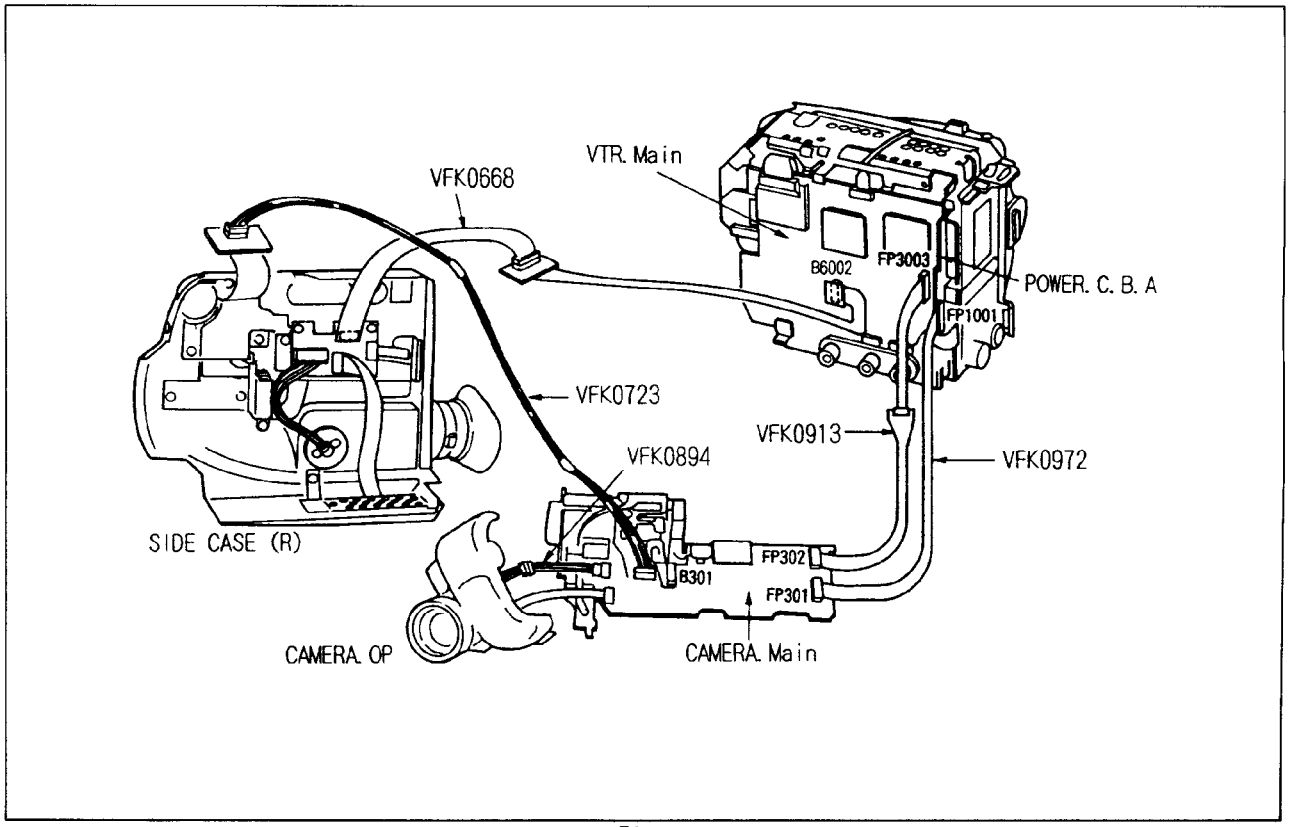


Fig. V1

HOW TO READ THE ADJUSTMENT PROCEDURES

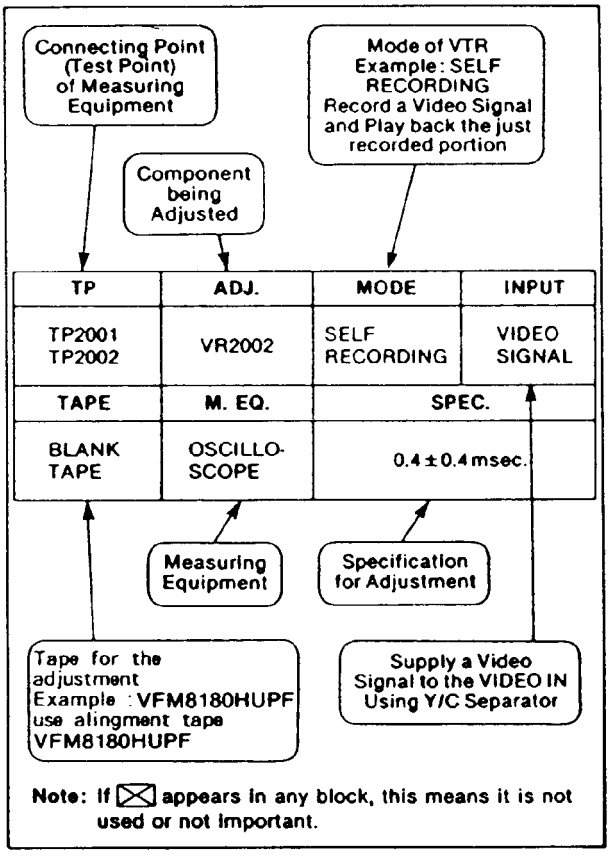


Fig. V2

Note:Triggering the Oscilloscope

To trigger the Oscilloscope, the following test point is used.

H. Rate : Video Output

V. Rate : B6004-6 (Head switching Signal)

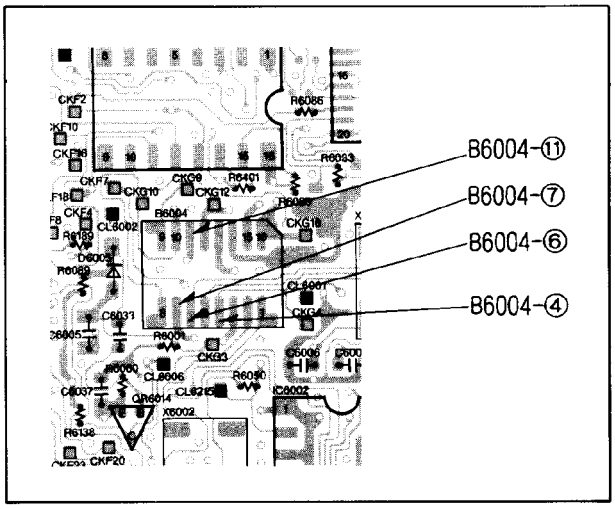


Fig. V3

1. LUMINANCE & CHROMINANCE SECTION

(1). S-VHS WHITE PEARK FREQUENCY ADJUSTMENT

T P	ADJ.	MODE	INPUT
IC3001-51	VR3004	S-VHS REC	COLOUR BAR B6004-⑩
TAPE	M. EQ	SPEC	
S-VHS-C BLANK TAPE	OSCILLOSCOPE	400 ±10mVp-p	

Note:

Connect the jumper wire between B6004-⑦ and B6004-⑪, after that video signal can be input through B6004-⑩. Please refer to Fig. V3.

1. Supply Colour bar signal to B6004- ⑩
2. Set the S-VHS button to S-VHS mode.
3. Turn the unit Recording Mode.
4. Connect the oscilloscope to IC3001-51.
5. Adjust the VR3004 so that the signal level at IC3001-51 become 400 ±10mVp-p

(2). S-VHS PLAYBACK ADJUSTMENT

T P	ADJ.	MODE	INPUT
S-VHS VIDEO OUT	VR3504 VR3006	S-VHS REC/ PLAYBACK	COLOUR BAR B6004-⑩
TAPE	M. EQ	SPEC	
S-VHS-C BLANK TAPE	OSCILLOSCOPE	1.0±0.05Vp-p	

Note:

Connect the jumper wire between B6004-⑦ and B6004-⑪, after that video signal can be input through B6004-⑩.

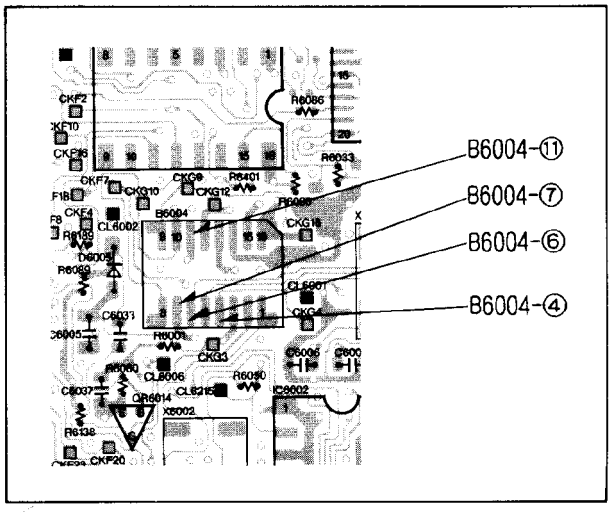


Fig. V4

1. Supply the Video Signal to B6004-⑩.
2. Set the unit to S-VHS mode.
3. Record the signal for few minutes..
4. Playbck the recorded signal.
5. Adjust the VR3504 so that the signal level at Video Out beocme 1.0 ±0.05Vp-p.
6. Adjust the VR3006 so that the signal level at S-VHS Output(B3001-10) beocme 1.0±0.05Vp-p.

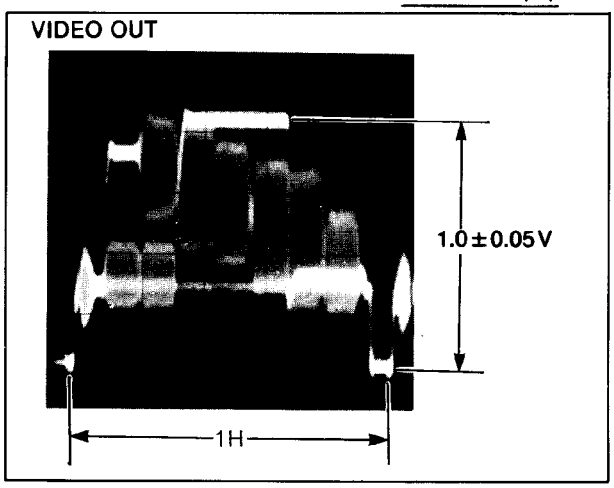


Fig. V5

{3}. YNR ADJUSTMENT

Purpose:

Improve the overall S/N ratio especially in the low frequency component.

Symptom of Misadjustment:

The S/N ratio is low.

T P	ADJ.	MODE	INPUT
TL3004	VR3005	PLAYBACK	———
TAPE	M. EQ	SPEC	
ALIGNMENTS-TAPE VFM8180HUPF	OSCILLOSCOPE	SIGNAL IS MINIMIZED (LESS THAN 50mv)	

1. Playback the alignment tape.
2. Connect the oscilloscope to TL3004.
3. Adjust the VR3005 so that signal is minimized.

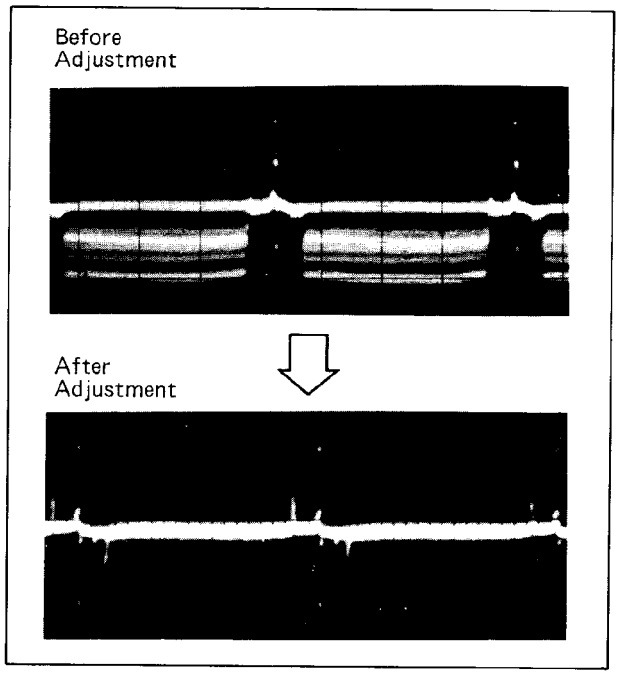


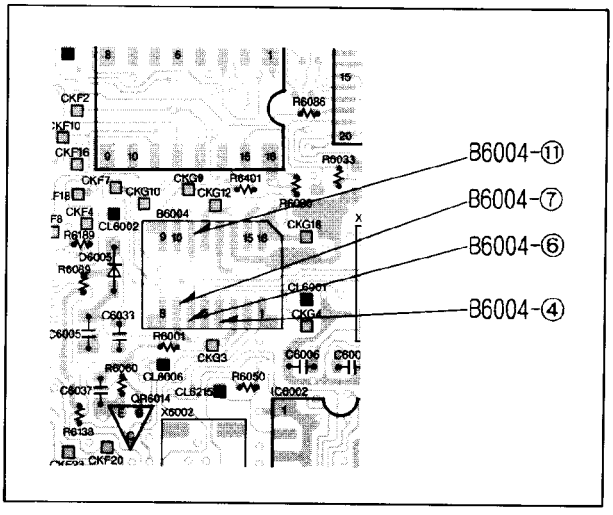
Fig. V6

{4}. COSINE EQUALIZER ADJUSTMENT

T P	ADJ.	MODE	INPUT
S-VHS VIDEO OUT	VR3007	S-VHS REC/ PLAYBACK	VIDEO SWEEP SIGNAL B6004-⑩
TAPE	M. EQ	SPEC	
S-VHS-C BLANK TAPE	VIDEO SWEEP GENERETOR OSCILLOSCOPE	4MHz:0.1MHz= 2.5:4 (−4 ±1dB(62.5%))	

Note:

Connect the jumper wire between B6004-⑦ and B6004-⑪, after that video signal can be input through B6004-⑩.



1. Set the sweep generator output as shown below.

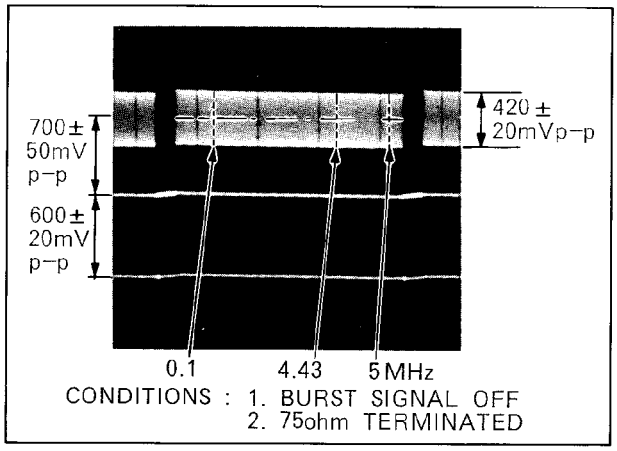


Fig. V8

2. Supply the sweep signal to B6004-⑩.

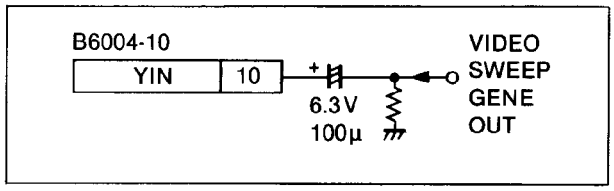


Fig. V9

3. Set the S-VHS button to S-VHS mode.
4. Record the signal for few minutes.
5. Playbck the recorded signal.
6. Adjust the VR3007 so that level at 4MHz is with in spec as shown in Fig. V10.

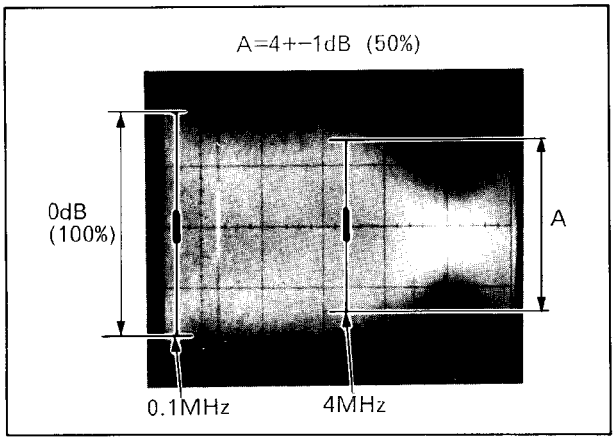


Fig. V10

(5). HEAD AMP FREQUENCY ADJUSTMENT

Purpose:

To improve Video Frequency Response Level.

Symptom of Misadjustment

Video Frequency Response deteriorates.

Picture becomes noisy.

T P	ADJ.	MODE	INPUT
VIDEO OUT	VR3008	VHS REC/ PLAYBACK	VIDEO SWEEP SIGNAL B6004- ⑩
TAPE	M. EQ	SPEC	
VHS-C BLANK TAPE	VIDEO SWEEP GENERETOR OSCILLOSCOPE	2MHz:0.1MHz= 1:1 (−0 ±1dB (100 %))	

Note:

Connect the jumper wire between B6004-⑦ and B6004-⑪, after that video signal can be input through B6004-⑩.

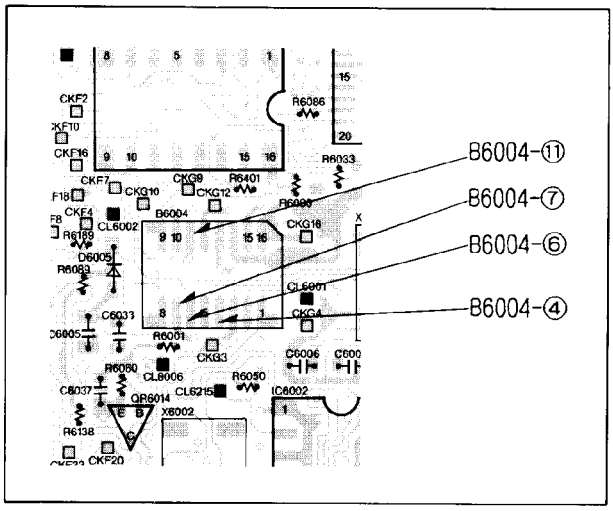


Fig. V11

1. Set the sweep generator output as shown below.

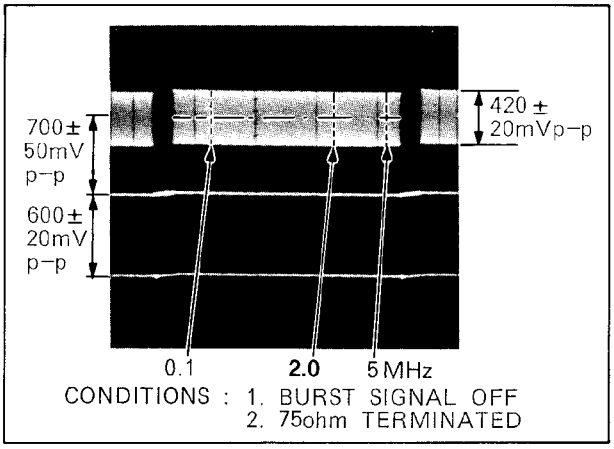


Fig. V12

2. Supply the sweep signal to B6004-⑩.

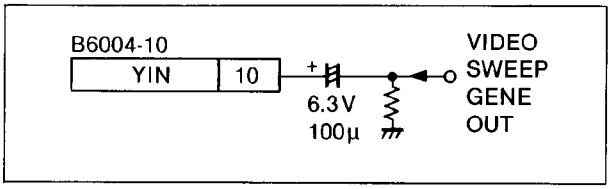


Fig. V13

3. Set the S-VHS button to VHS mode.
4. Record the signal for few minutes.
5. Playbck the recorded signal.
6. Adjust the VR3008 so that level at 2MHz is with in spec as shown in Fig. V14.

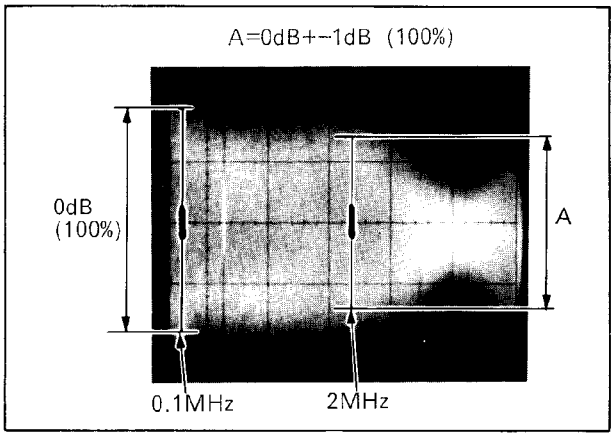


Fig. V14

(6). VITC SIGNAL LEVEL ADJUSTMENT

T P	ADJ.	MODE	INPUT
VIDEO OUT	VR6301	REC PAUSE	———
TAPE	M. EQ	SPEC	
VHS-C BLANK TAPE	OSCILLOSCOPE	A = 540±20mVp-p	

1. Cover the lens by your hands.
2. Connect the oscilloscope to Video Output.
3. Adjust the VR6301 so that VITC signal is A= 540±20mVp-p .

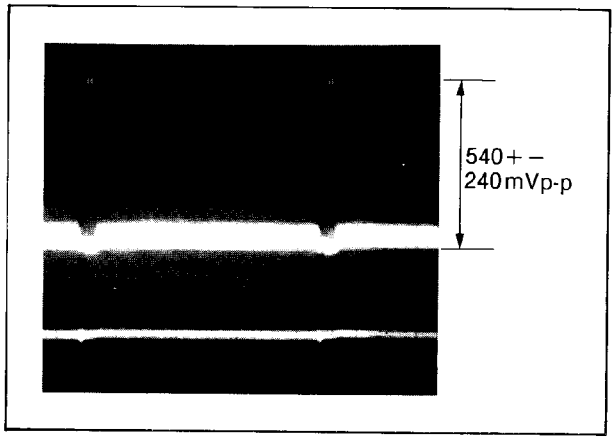


Fig. V15

2. AUDIO SECTION

(1). FM CARRIER FREQUENCY ADJUSTMENT

T P	ADJ.	MODE	INPUT
TL4507(L) TL4508(R)	VR4502(L) VR4503(R)	REC	———
TAPE	M. EQ	SPEC	
VHS-C BLANK TAPE	FREQUENCY COUNTTER	TL4507(L)=1.4MHz±10KHz TL4508(R)=1.8MHz±10KHz.	

1. Disconnect the connector P4001.
2. Turn the unit to rec mode.
3. Connect the frequency counter to TL4507.
4. Adjust the VR4502 so that the frequency at TL4507 become 1.4MHz ±10KHz.
5. Connect the frequency counter to TL4508.
6. Adjust the VR4503 so that the frequency at TL4508 become 1.8MHz ±10KHz.

3. TBC SECTION

(1). VCO ADJUSTMENT

T P	ADJ.	MODE	INPUT
TL3504 TL3507	VR3503 VR3501	PLAYBACK	———
TAPE	M. EQ	SPEC	
VHS-C BLANK TAPE	FREQUENCY COUNTTER	TL3504 =15.625±0.1KHz TL3507 =17.73 ±0.1KHz	

1. Playback the Nonrecorded tape(Blank Tape).
2. Connect the frequency counter to TL3504.
3. Adjust the VR3503 so that the frequency at TL3504 become 15.625 ±0.1KHz.
4. Connect the frequency counter to TL3507.
5. Adjust the VR3507 so that the frequency at TL3504 become 17.73±0.1KHz.

(2). CCD BIAS ADJUSTMENT

T P	ADJ.	MODE	INPUT
VIDEO OUT	VR3505	REC	———
TAPE	M. EQ	SPEC	
ALIGNMENTS-TAPE VFM8180HUPF	OSCILLOSCOPE	SIGNAL IS MAXIMUN	

1. Connect the Oscilloscope to Video output.
2. Playbck the Alignment Tape.
3. Adjut the VR3505 so that the signal level is maximum.

(3). TBC GAIN ADJUSTMENT

T P	ADJ.	MODE	INPUT
TL3503	VR3502	PLAYBACK	———
TAPE	M. EQ	SPEC	
ALIGNMENT TAPE VFM8180HUPF	OSCILLOSCOPE	JUTTER LEVEL IS MINIMIZED	

1. Connect the Oscilloscope to Video output.
2. Playbck the Alignment Tape.
3. Adjut the VR3502 so that the jutter level is minimized on TV Screen.
   (or waveform at TL3503 become stable)

2-6-2. ELECTRICAL ADJUSTMENT FOR E. V. F SECTION

NOTE:
(A). Connect the Viewfinder to the unit.
(B). The camera circuit must be completely aligned before viewfinder adjustment are made.

(1). CENTREING ADJUSTMENT

1. Aim the camera at the registration chart.
2. Adjust the deflection yoke centreong magnets. turning them so that the picture on monitor TV is centred.

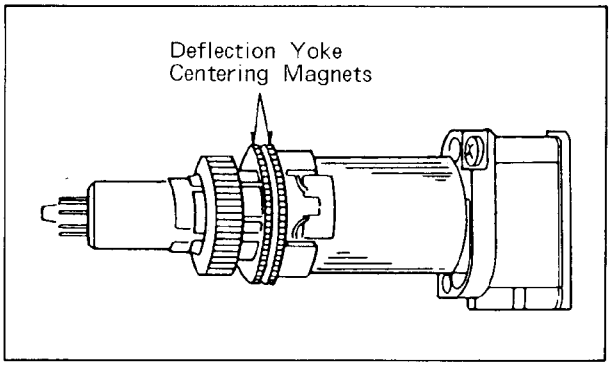


Fig. E1

(2). FOCUS ADJUSTMENT

T P	ADJ.	LENS CAP	CHART
———	VR803	NO	
M. EQ		SPEC	
VIEWFINDER		BEST RESOLUTION	

1. Aim the camera at the Ball Chart.
2. Adjust the VR803 for best resolution in viewfinder.

Note:
After performing this adjustment, confirm position of "A" part on the VR803.
"A" part must be outside of 100 degree.
When "A" part is inside of 100 degree, must be re-adjust it.

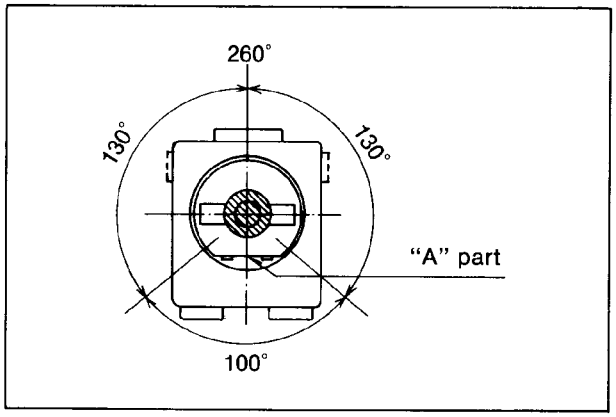


Fig. E2

(3). VERTICAL SIZE ADJUSTMENT

T P	ADJ.	LENS CAP	CHART
———	VR801	NO	GRAY SCALE CHART
M. EQ		SPEC	
VIEWFINDER		VERTICAL SIZE FIXED	

1. Aim the camera at the Gray Scale Chart.
2. Adjust the VR801 for best Vertical size. (Picture does not roll as shown below)

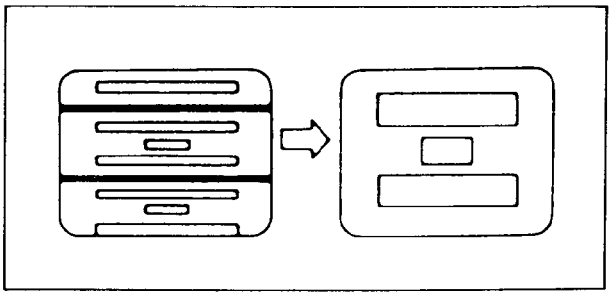


Fig. E3

(4). BRIGHTNESS ADJUSTMENT

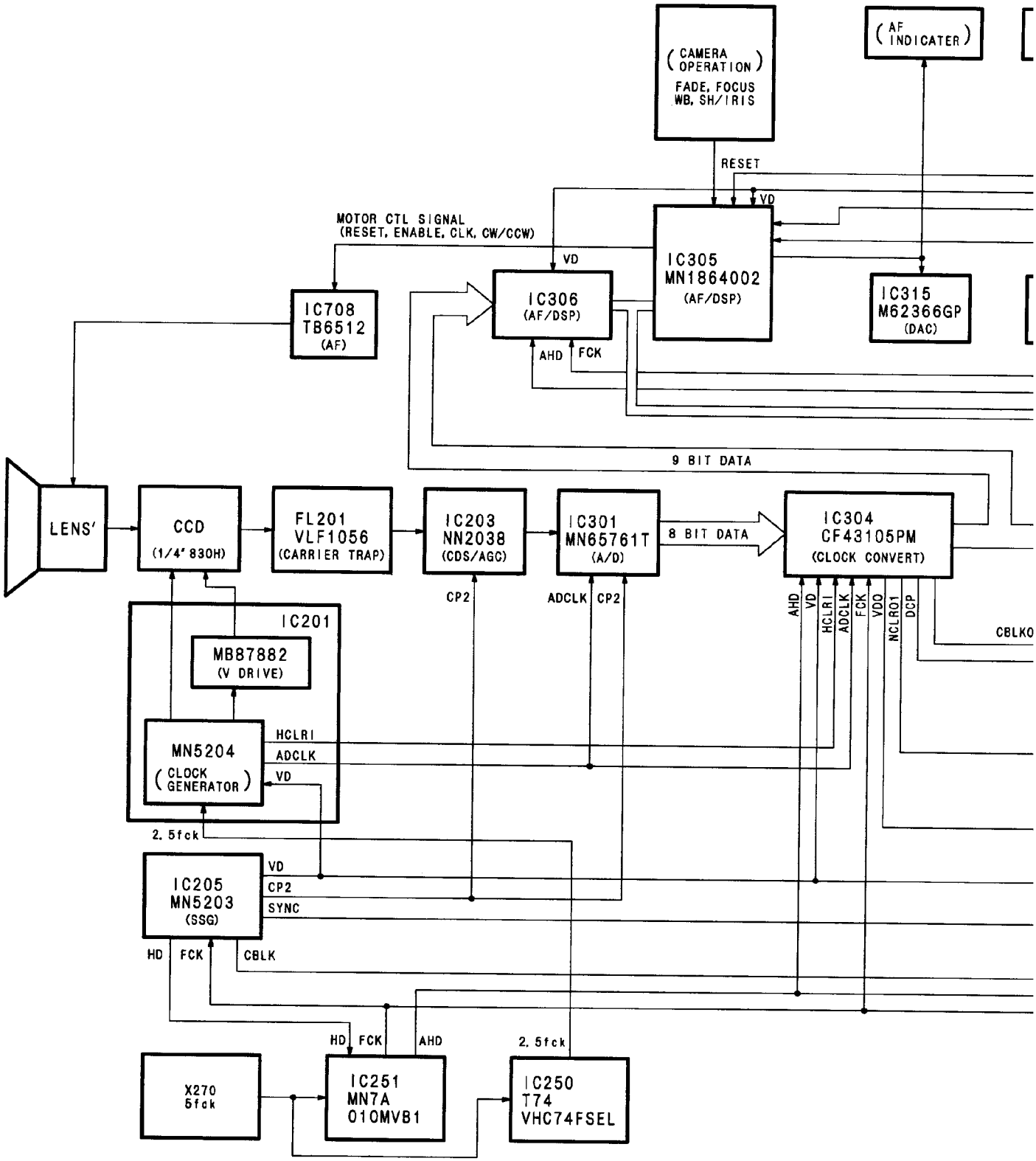
T P	ADJ.	LENS CAP	CHART
———	VR804	NO	GRAY SCALE CHART
M. EQ		SPEC	
VIEWFINDER		NATUAL GRADATION	

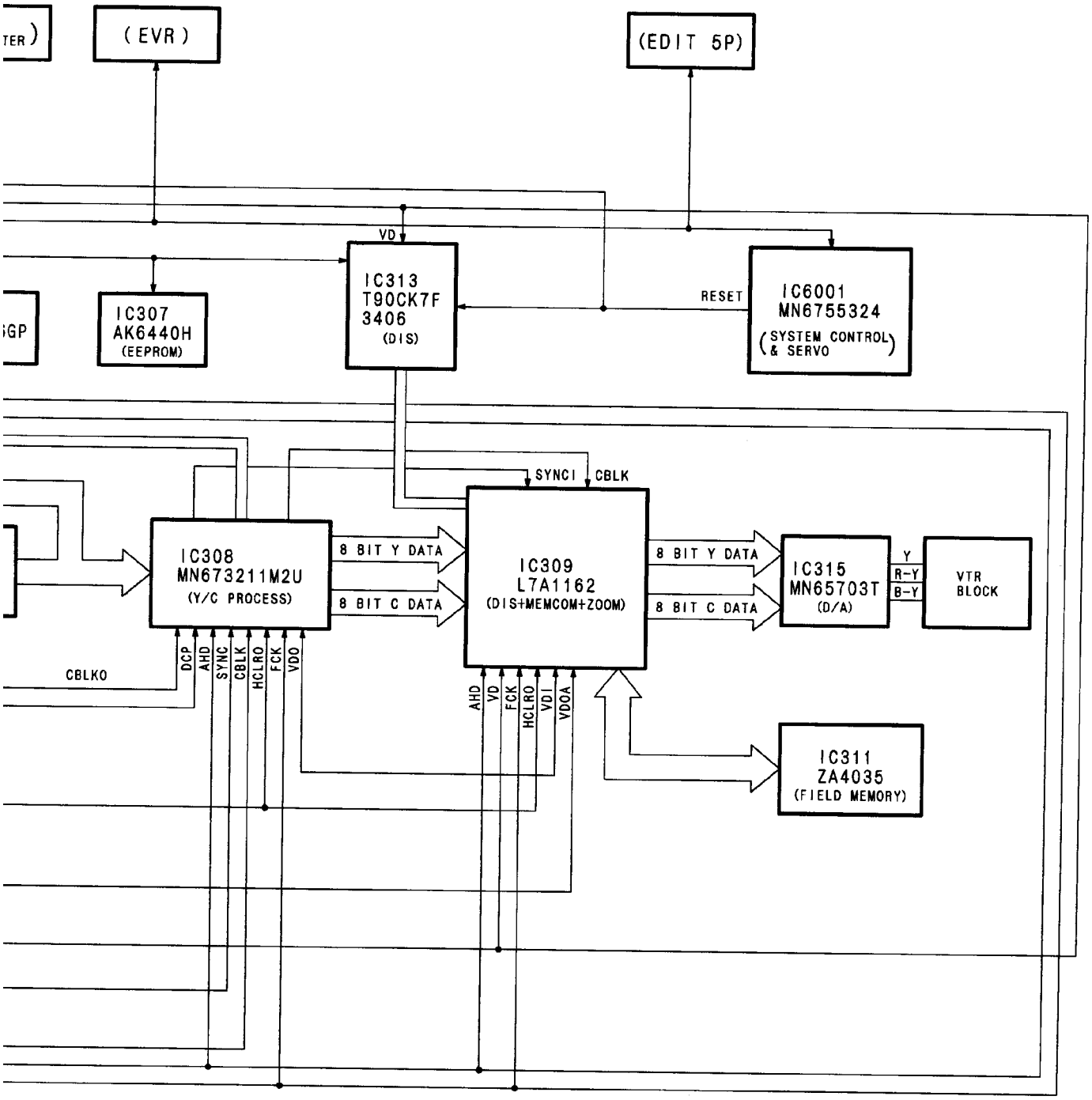
1. Aim the camera at the Gray Scale Chart.
2. Adjust the VR804 so that the brightness in the E.V.F screen is the same as monitor TV screen.

NOTE:
Follwing Adjustment requied EVR fixture.
So, adjustment procedure described on Service Manual VMD9406M124.

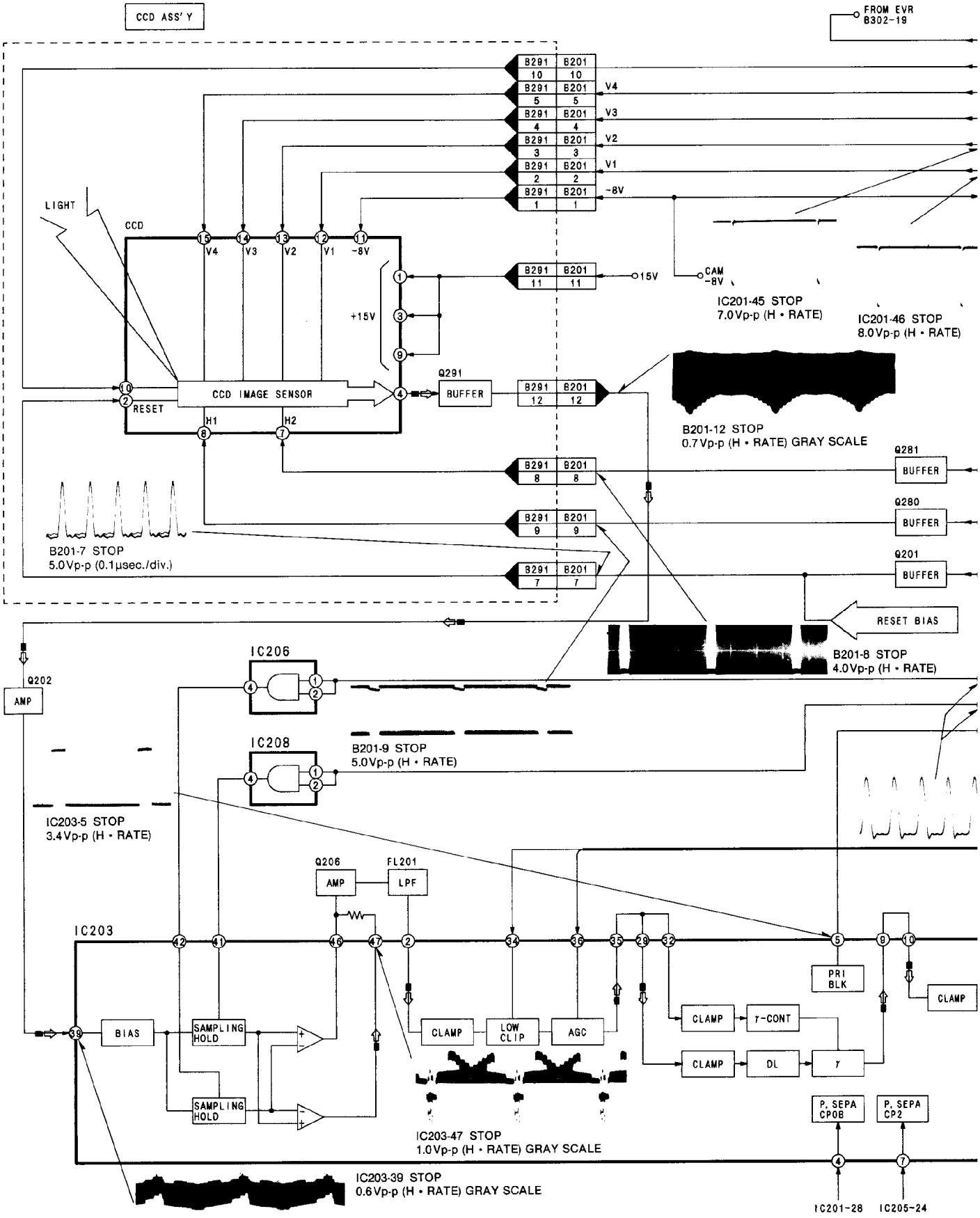
1: Chroma Recording Current Adjustment
2: Luminance Recording Current Adjustment
3: PG Shifter Adjustment
4: FM Audio recording Current Adjustment

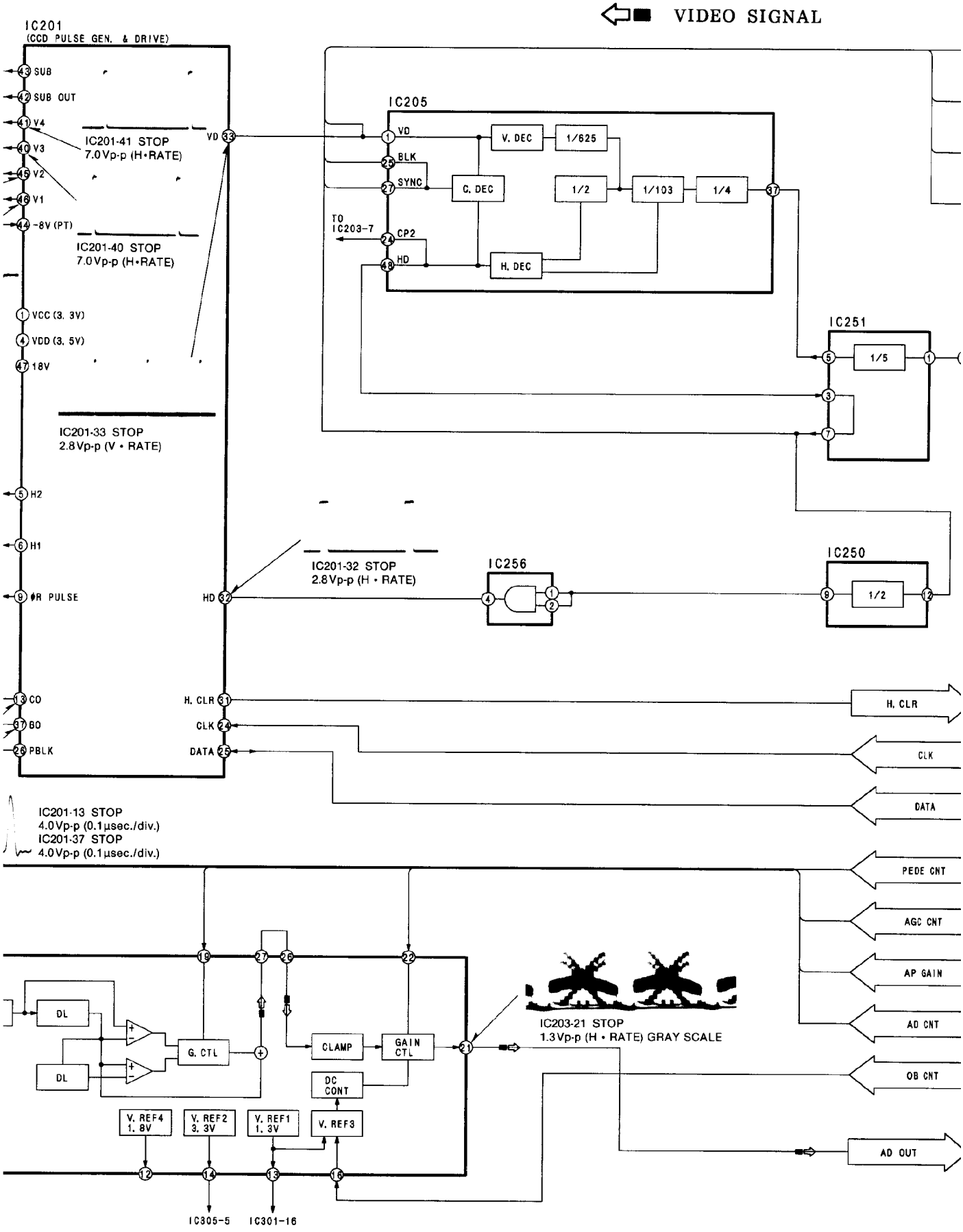
3-2. OVERALL BLOCK DIAGRAMS

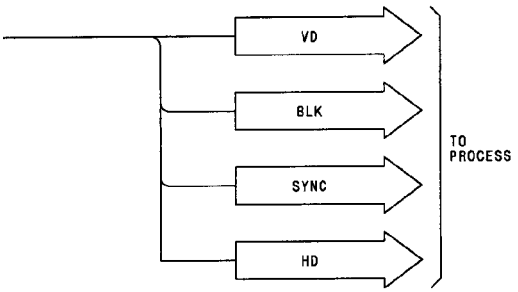


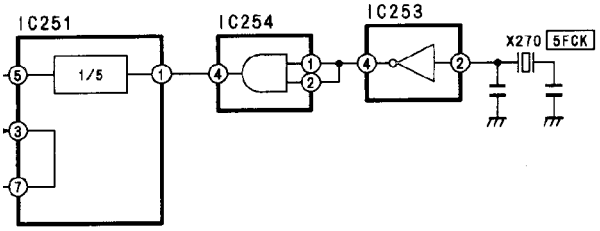

TER)
(EVR)
(EDIT 5P)
VD
IC313
T90CK7F
3406
(DIS)
IC307
AK6440H
(EEPROM)
RESET
IC6001
MN6755324
(SYSTEM CONTROL
& SERVO)
SYNCI
CBLK
IC308
MN673211M2U
(Y/C PROCESS)
8 BIT Y DATA
8 BIT C DATA
IC309
L7A1162
(DIS+MEMCOM+ZOOM)
8 BIT Y DATA
8 BIT C DATA
IC315
MN65703T
(D/A)
Y
R-Y
B-Y
VTR
BLOCK
CBLKO
DCP
AHD
SYNC
CBLK
HCLRO
FCK
VDO
AHD
VD
FCK
HCLRO
VDI
VDOA
IC311
ZA4035
(FIELD MEMORY)

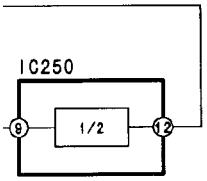
3-3. SENSOR BLOCK DIAGRAM

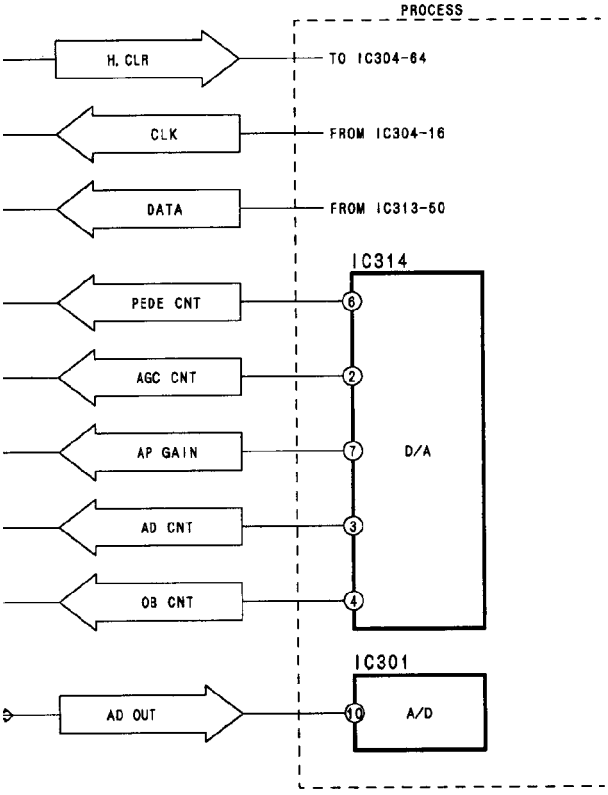


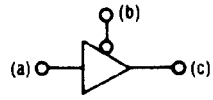
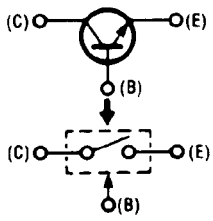
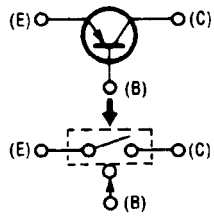
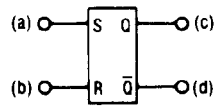

VIDEO SIGNAL
IC201
(CCD PULSE GEN. & DRIVE)
43 SUB
42 SUB OUT
41 V4
40 V3
45 V2
46 V1
44 -8V (PT)
1 VCC (3. 3V)
4 VDD (3. 5V)
47 18V
5 H2
6 H1
9 ΦR PULSE
13 CO
37 BO
26 PBLK
VD 33
HD 32
H. CLR 31
CLK 24
DATA 25
IC201-41 STOP
7.0Vp-p (H•RATE)
IC201-40 STOP
7.0Vp-p (H•RATE)
IC201-33 STOP
2.8Vp-p (V • RATE)
IC201-32 STOP
2.8Vp-p (H • RATE)
IC201-13 STOP
4.0Vp-p (0.1μsec./div.)
IC201-37 STOP
4.0Vp-p (0.1μsec./div.)
IC205
VD
BLK
SYNC
CP2
HD
TO
IC203-7
V. DEC
1/625
C. DEC
1/2
1/103
1/4
H. DEC
IC251
1/5
IC256
IC250
1/2
H. CLR
CLK
DATA
PEDE CNT
AGC CNT
AP GAIN
AD CNT
OB CNT
AD OUT
DL
DL
G. CTL
CLAMP
GAIN CTL
DC CONT
V. REF4 1. 8V
V. REF2 3. 3V
V. REF1 1. 3V
V. REF3
IC203-21 STOP
1.3Vp-p (H • RATE) GRAY SCALE
IC305-5
IC301-16



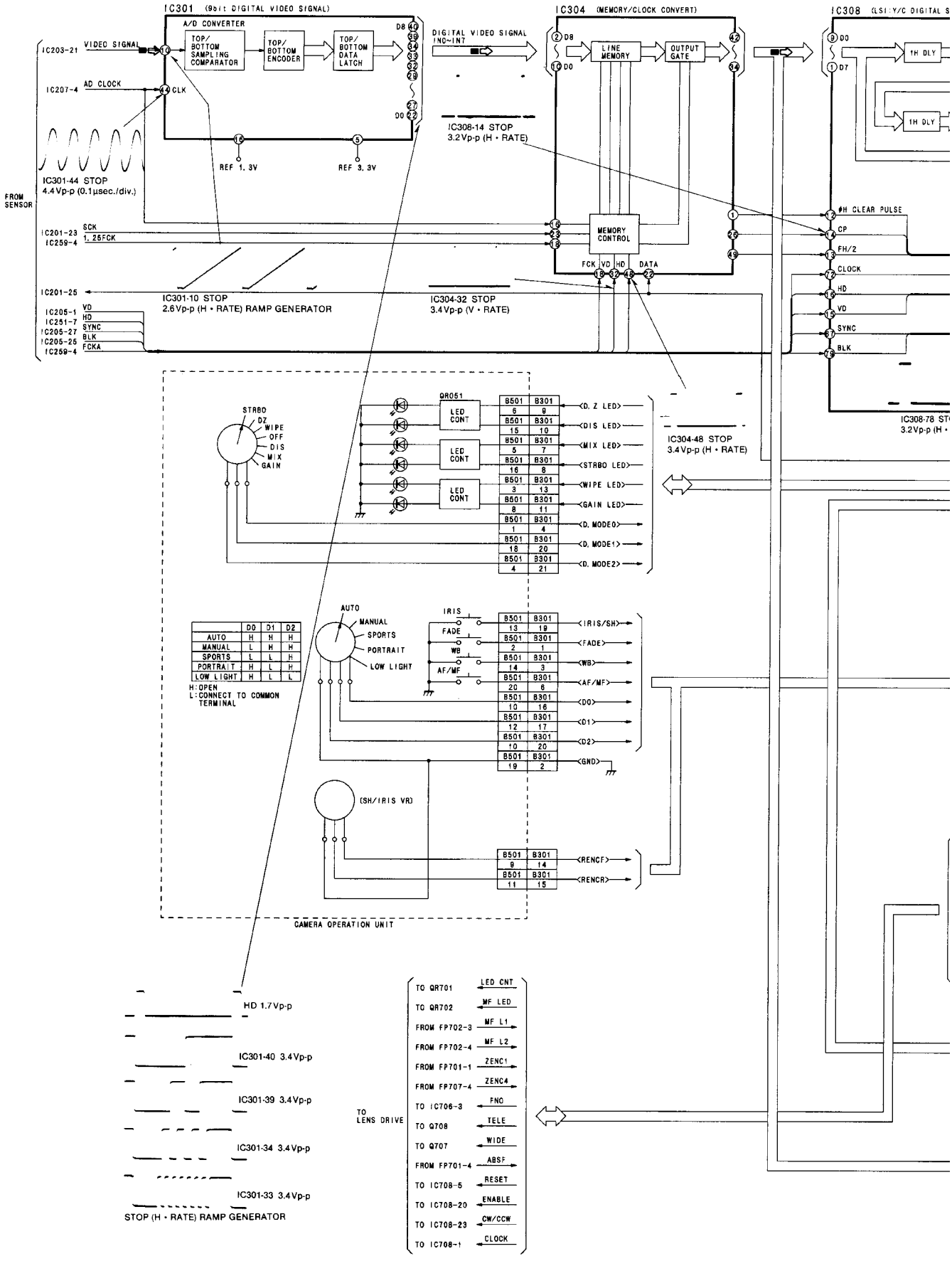


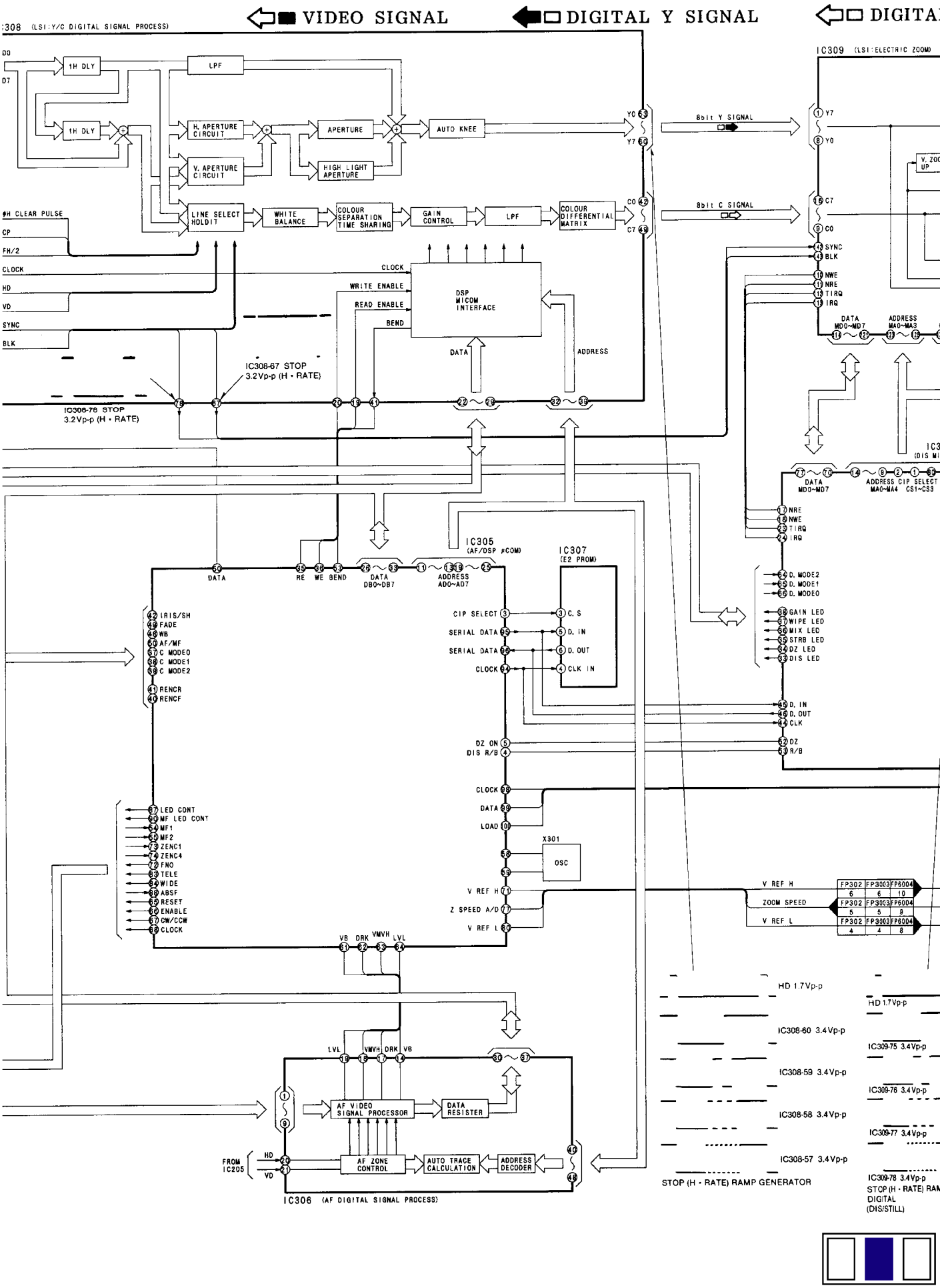


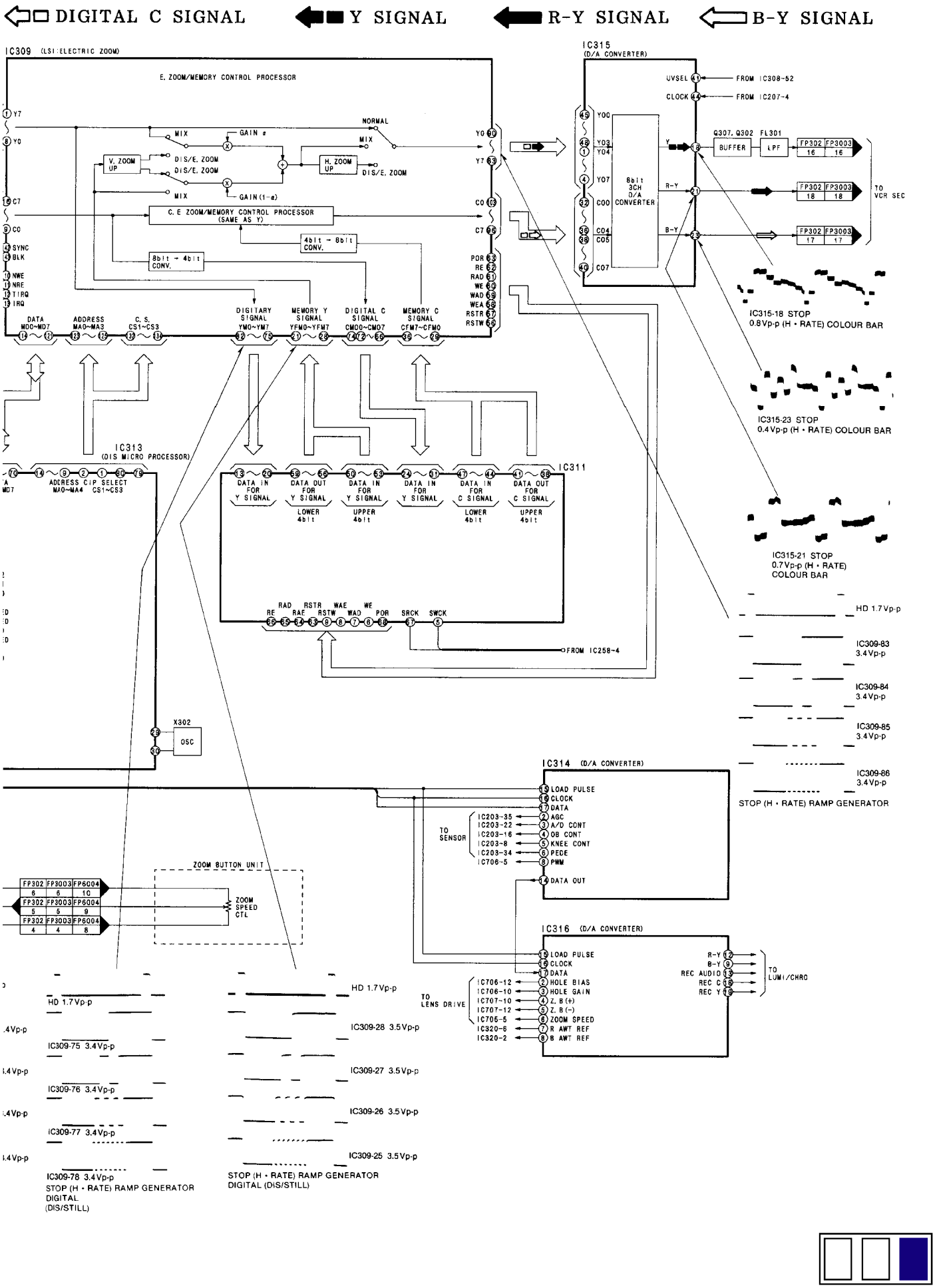


SYMBOL	TRUTH VALUE TABLE
INVERTER 	IN (a) H L OUT (b) L H
COMPARTOR 	IN (a)/(b) (a)>(b) (a)<(b) OUT (c) H L
AND CIRCUIT 	IN (a) L L H H (b) L H L H OUT (c) L L L H
OR CIRCUIT 	IN (a) L L H H (b) L H L H OUT (c) L H H H
THREE STATES BUFFER 	IN (a) H L H or L (b) L L H OUT (c) H L ※ ※ High Impedance
TR. SW (NPN TYPE) 	BASE H L TR. SW ON OFF
TR. SW (PNP TYPE) 	BASE H L TR. SW OFF ON
R·S TYPE FLIP-FLOP 	IN (a) L L ⎍ (b) L ⎍ L OUT (c) ※ L H (d) ◆ H L ※ Initial condition is maintained. ◆ Initial condition is reversed.

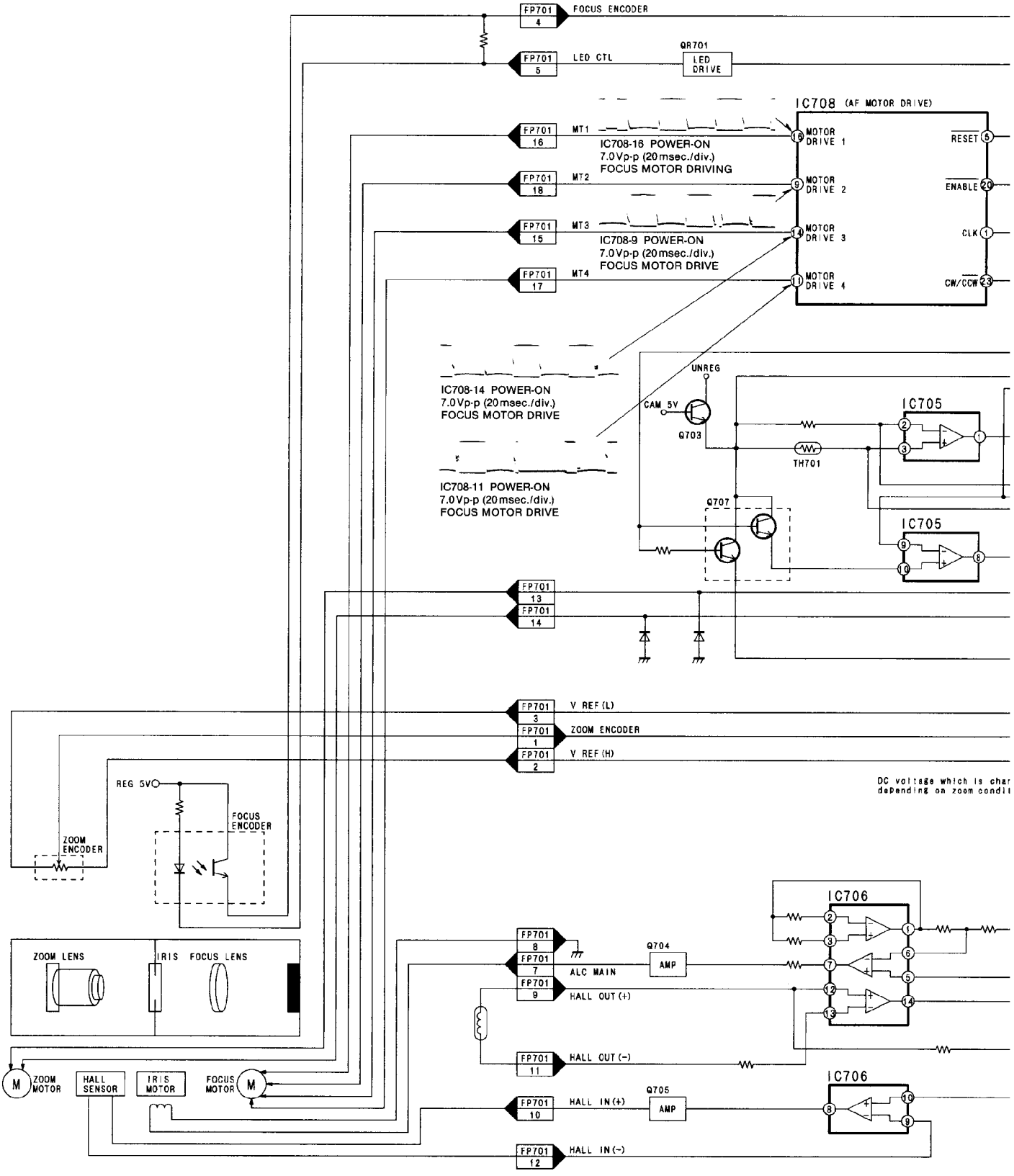
3-4. PROCESS BLOCK DIAGRAM

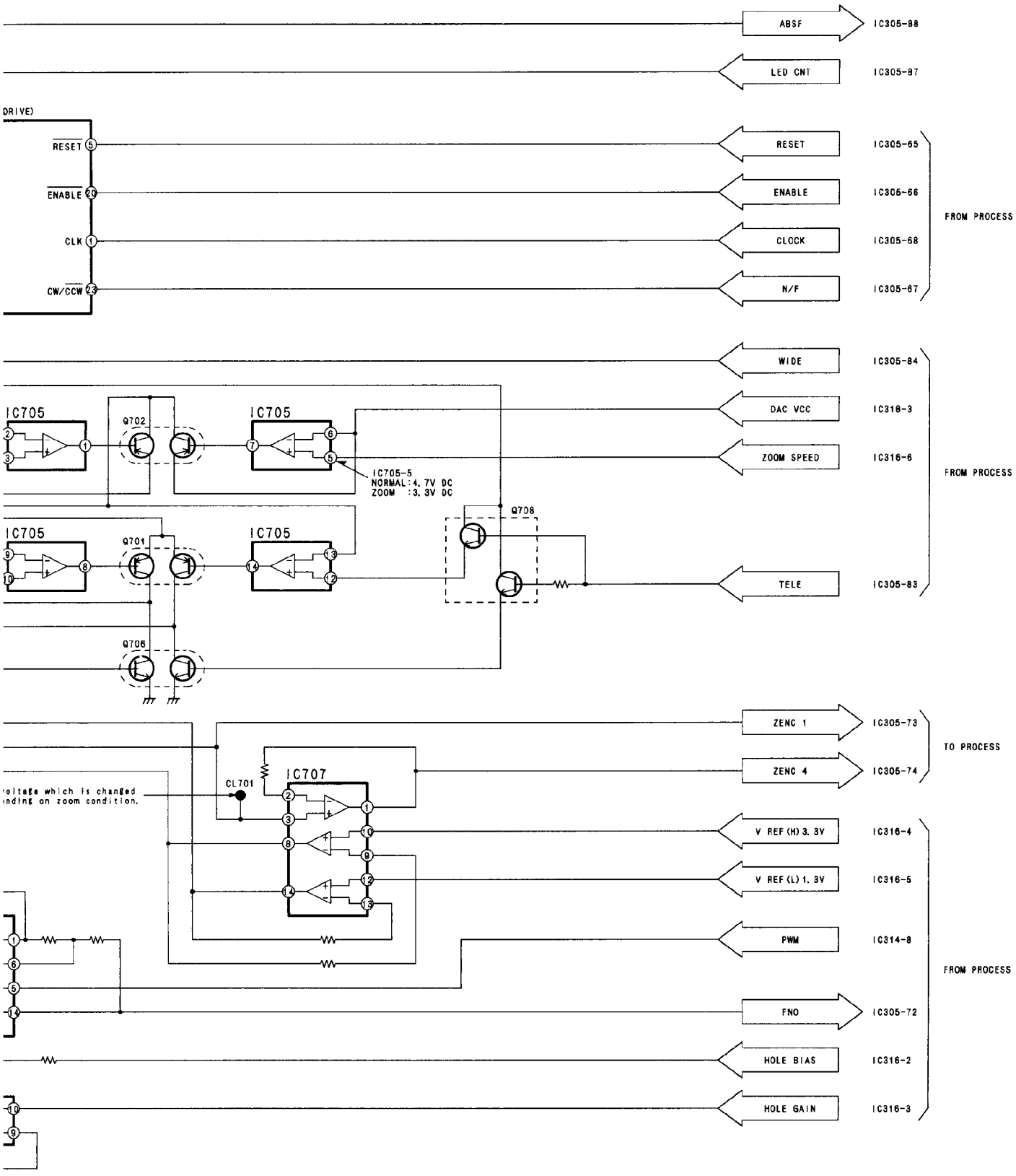



VIDEO SIGNAL
DIGITAL Y SIGNAL
DIGITA
IC308 (LSI:Y/C DIGITAL SIGNAL PROCESS)
IC309 (LSI:ELECTRIC ZOOM)
1H DLY
LPF
H. APERTURE CIRCUIT
APERTURE
AUTO KNEE
V. APERTURE CIRCUIT
HIGH LIGHT APERTURE
LINE SELECT HOLD IT
WHITE BALANCE
COLOUR SEPARATION TIME SHARING
GAIN CONTROL
COLOUR DIFFERENTIAL MATRIX
8bit Y SIGNAL
8bit C SIGNAL
DSP MICOM INTERFACE
IC308-67 STOP 3.2Vp-p (H • RATE)
IC308-76 STOP 3.2Vp-p (H • RATE)
IC305 (AF/DSP μCOM)
IC307 (E2 PROM)
AF VIDEO SIGNAL PROCESSOR
DATA RESISTER
AF ZONE CONTROL
AUTO TRACE CALCULATION
ADDRESS DECODER
IC306 (AF DIGITAL SIGNAL PROCESS)
X301
OSC
HD 1.7Vp-p
IC308-60 3.4Vp-p
IC308-59 3.4Vp-p
IC308-58 3.4Vp-p
IC308-57 3.4Vp-p
STOP (H • RATE) RAMP GENERATOR
IC309-75 3.4Vp-p
IC309-76 3.4Vp-p
IC309-77 3.4Vp-p
IC309-78 3.4Vp-p
DIGITAL (DIS/STILL)

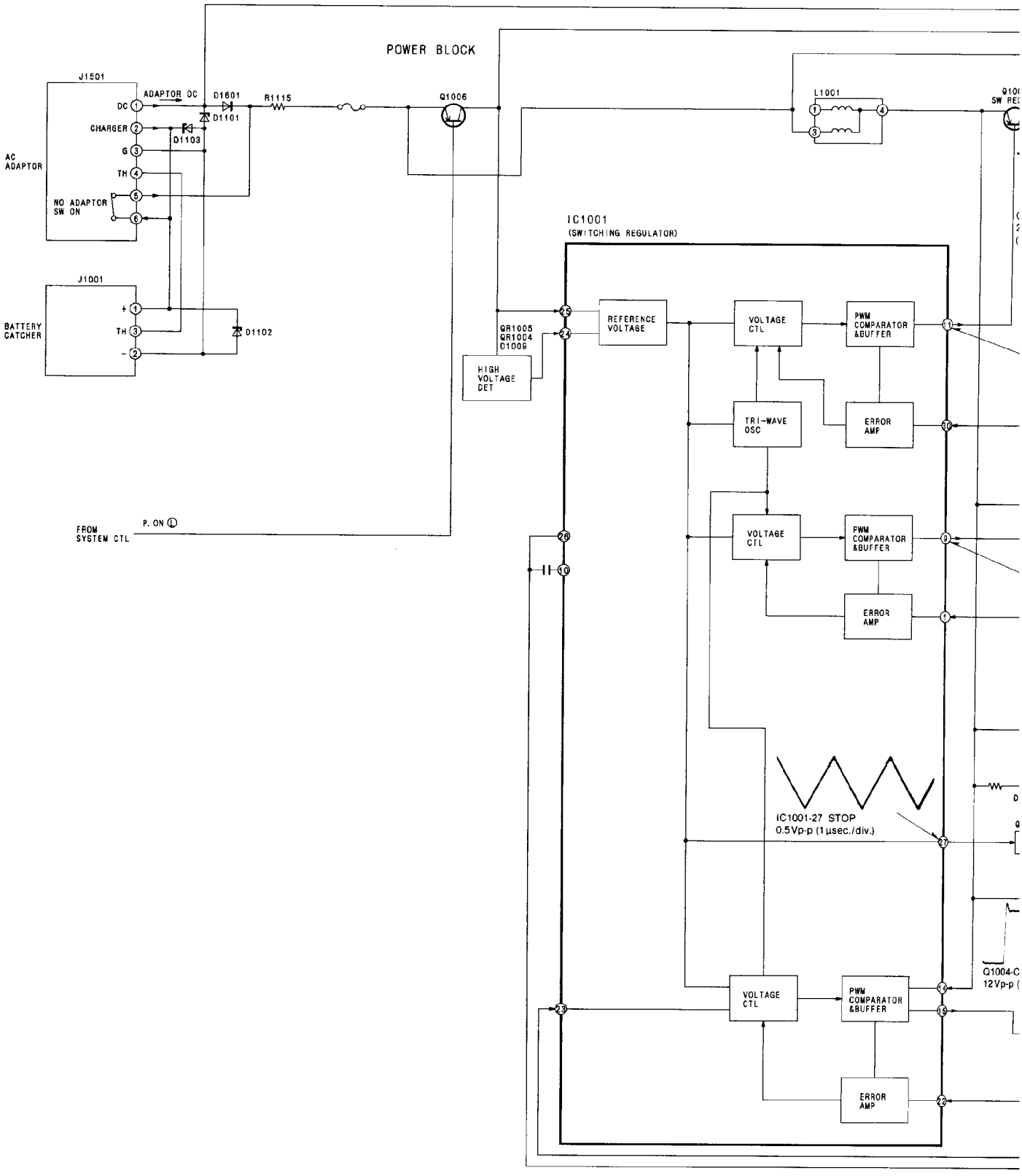

DIGITAL C SIGNAL
Y SIGNAL
R-Y SIGNAL
B-Y SIGNAL
IC309 (LSI:ELECTRIC ZOOM)
E. ZOOM/MEMORY CONTROL PROCESSOR
C. E ZOOM/MEMORY CONTROL PROCESSOR (SAME AS Y)
4bit → 8bit CONV.
8bit → 4bit CONV.
V. ZOOM UP
H. ZOOM UP
DIS/E. ZOOM
MIX
GAIN α
GAIN (1-α)
NORMAL
DATA MD0~MD7
ADDRESS MA0~MA3
C. S. CS1~CS3
DIGITARY SIGNAL YM0~YM7
MEMORY Y SIGNAL YFM0~YFM7
DIGITAL C SIGNAL CM00~CM07
MEMORY C SIGNAL CFM7~CFM0
IC315 (D/A CONVERTER)
UVSEL
CLOCK
FROM IC308-52
FROM IC207-4
8bit 3CH D/A CONVERTER
Q307, Q302 FL301
BUFFER
LPF
FP302 FP3003
TO VCR SEC
IC315-18 STOP
0.8Vp-p (H・RATE) COLOUR BAR
IC315-23 STOP
0.4Vp-p (H・RATE) COLOUR BAR
IC315-21 STOP
0.7Vp-p (H・RATE)
COLOUR BAR
IC313 (DIS MICRO PROCESSOR)
ADDRESS CIP SELECT MA0~MA4 CS1~CS3
IC311
DATA IN FOR Y SIGNAL LOWER 4bit
DATA OUT FOR Y SIGNAL LOWER 4bit
DATA IN FOR Y SIGNAL UPPER 4bit
DATA IN FOR C SIGNAL LOWER 4bit
DATA OUT FOR C SIGNAL UPPER 4bit
RAD RSTR WAE WE RE RAE RSTW WAD POR SRCK SWCK
FROM IC258-4
X302
OSC
HD 1.7Vp-p
IC309-83 3.4Vp-p
IC309-84 3.4Vp-p
IC309-85 3.4Vp-p
IC309-86 3.4Vp-p
STOP (H・RATE) RAMP GENERATOR
IC314 (D/A CONVERTER)
LOAD PULSE
CLOCK
DATA
DATA OUT
TO SENSOR
IC203-35 AGC
IC203-22 A/D CONT
IC203-16 OB CONT
IC203-8 KNEE CONT
IC203-34 PEDE
IC706-5 PWM
ZOOM BUTTON UNIT
ZOOM SPEED CTL
IC316 (D/A CONVERTER)
TO LENS DRIVE
IC706-12 HOLE BIAS
IC706-10 HOLE GAIN
IC707-10 Z. B (+)
IC707-12 Z. B (-)
IC705-5 ZOOM SPEED
IC320-6 R AWT REF
IC320-2 B AWT REF
R-Y
B-Y
REC AUDIO
REC C
REC Y
TO LUMI/CHRO
HD 1.7Vp-p
IC309-75 3.4Vp-p
IC309-76 3.4Vp-p
IC309-77 3.4Vp-p
IC309-78 3.4Vp-p
STOP (H・RATE) RAMP GENERATOR
DIGITAL
(DIS/STILL)
HD 1.7Vp-p
IC309-28 3.5Vp-p
IC309-27 3.5Vp-p
IC309-26 3.5Vp-p
IC309-25 3.5Vp-p
STOP (H・RATE) RAMP GENERATOR
DIGITAL (DIS/STILL)

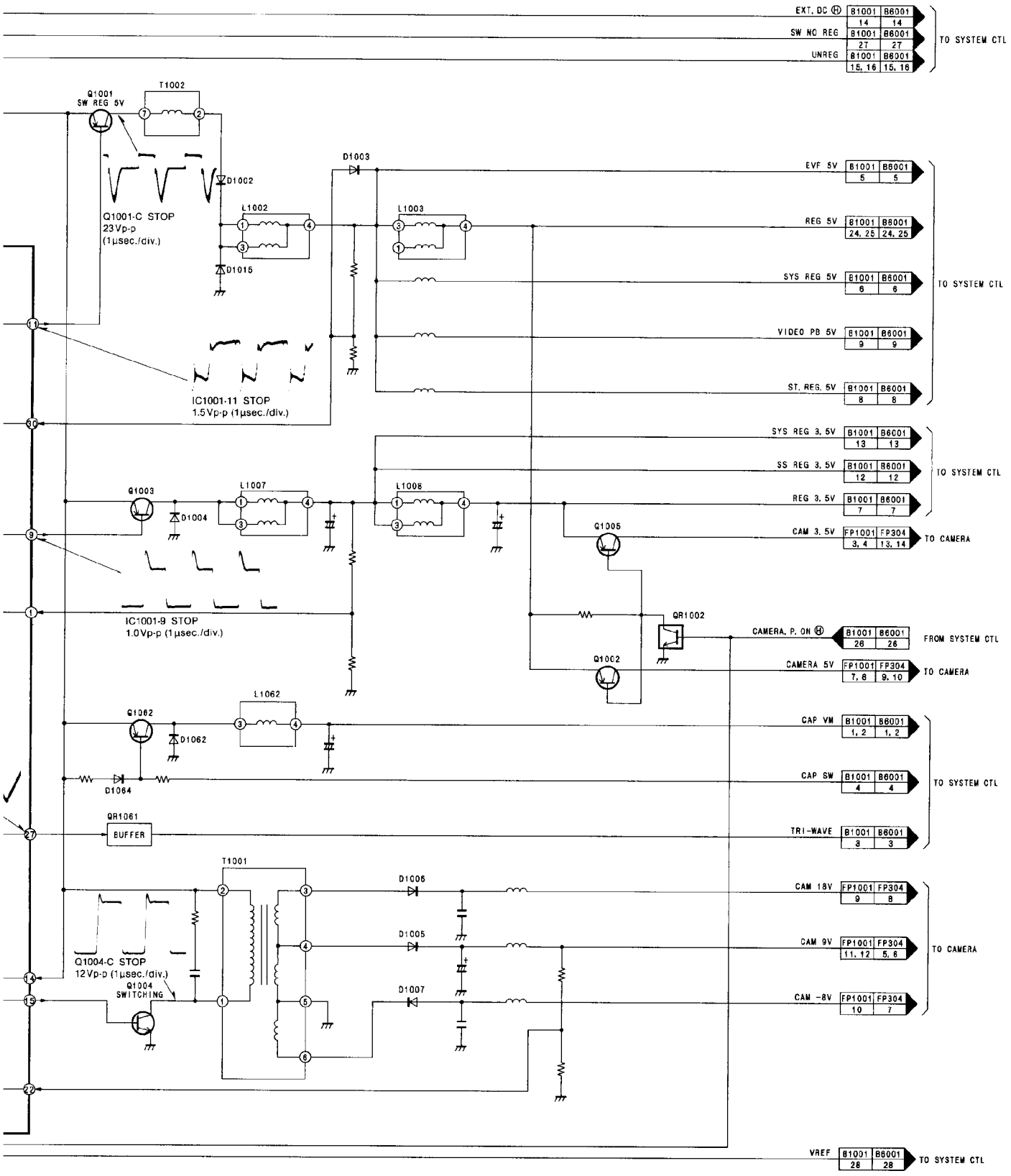
3-5. LENS DRIVE BLOCK DIAGRAM



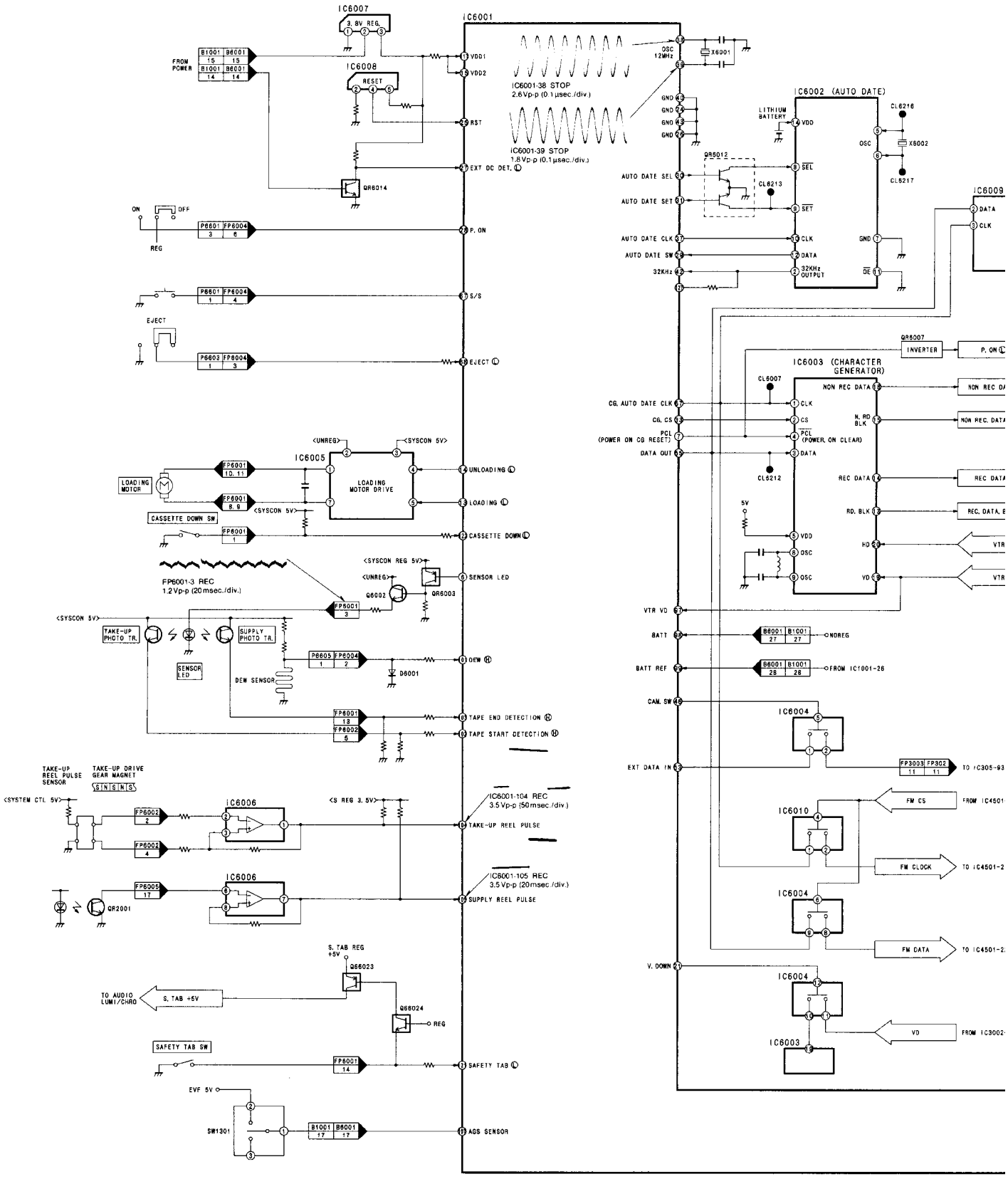

ABSF
IC305-88
LED CNT
IC305-87
DRIVE)
RESET
ENABLE
CLK
CW/CCW
RESET
IC305-65
ENABLE
IC305-66
CLOCK
IC305-68
N/F
IC305-67
FROM PROCESS
WIDE
IC305-84
DAC VCC
IC318-3
ZOOM SPEED
IC316-6
FROM PROCESS
IC705
Q702
IC705
IC705-5
NORMAL: 4.7V DC
ZOOM : 3.3V DC
IC705
Q701
IC705
Q708
TELE
IC305-83
Q706
ZENC 1
IC305-73
TO PROCESS
ZENC 4
IC305-74
CL701
IC707
V REF(H) 3.3V
IC316-4
V REF(L) 1.3V
IC316-5
PWM
IC314-8
FROM PROCESS
FNO
IC305-72
HOLE BIAS
IC316-2
HOLE GAIN
IC316-3

3-6. POWER BLOCK DIAGRAM



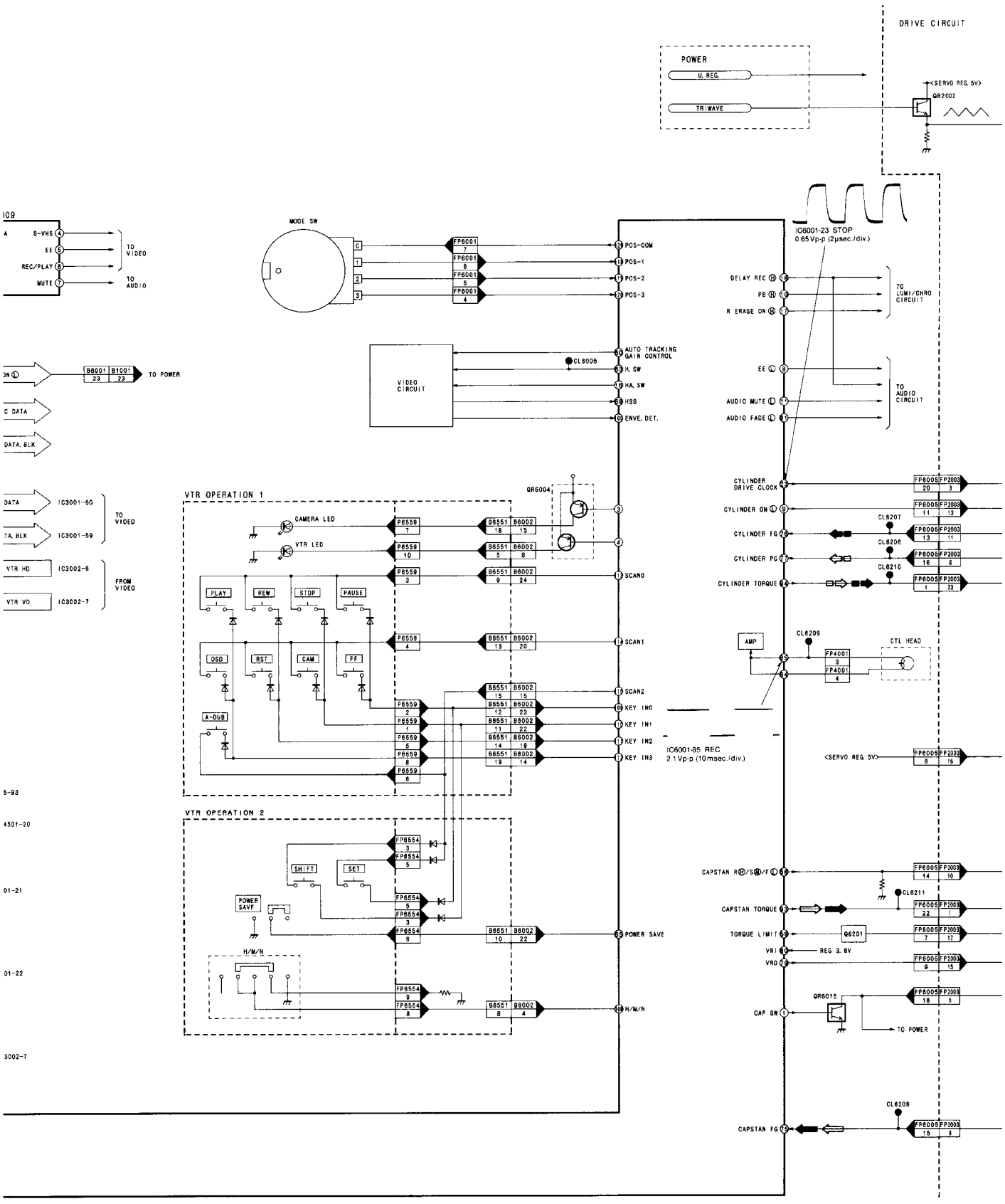

EXT. DC Ⓗ
SW NO REG
UNREG
TO SYSTEM CTL
Q1001
SW REG 5V
T1002
D1002
D1003
L1002
L1003
D1015
Q1001-C STOP
23Vp-p
(1μsec./div.)
EVF 5V
REG 5V
SYS REG 5V
VIDEO PB 5V
ST. REG. 5V
IC1001-11 STOP
1.5Vp-p (1μsec./div.)
SYS REG 3.5V
SS REG 3.5V
REG 3.5V
CAM 3.5V
TO CAMERA
Q1003
D1004
L1007
L1008
Q1005
IC1001-9 STOP
1.0Vp-p (1μsec./div.)
QR1002
CAMERA. P. ON Ⓗ
FROM SYSTEM CTL
Q1002
CAMERA 5V
L1062
Q1062
D1062
CAP VM
CAP SW
D1064
QR1061
BUFFER
TRI-WAVE
T1001
D1006
D1005
D1007
CAM 18V
CAM 9V
CAM -8V
Q1004-C STOP
12Vp-p (1μsec./div.)
Q1004
SWITCHING
VREF

3-7. SYSTEM CONTROL & SERVO BLOCK DIAGRAM

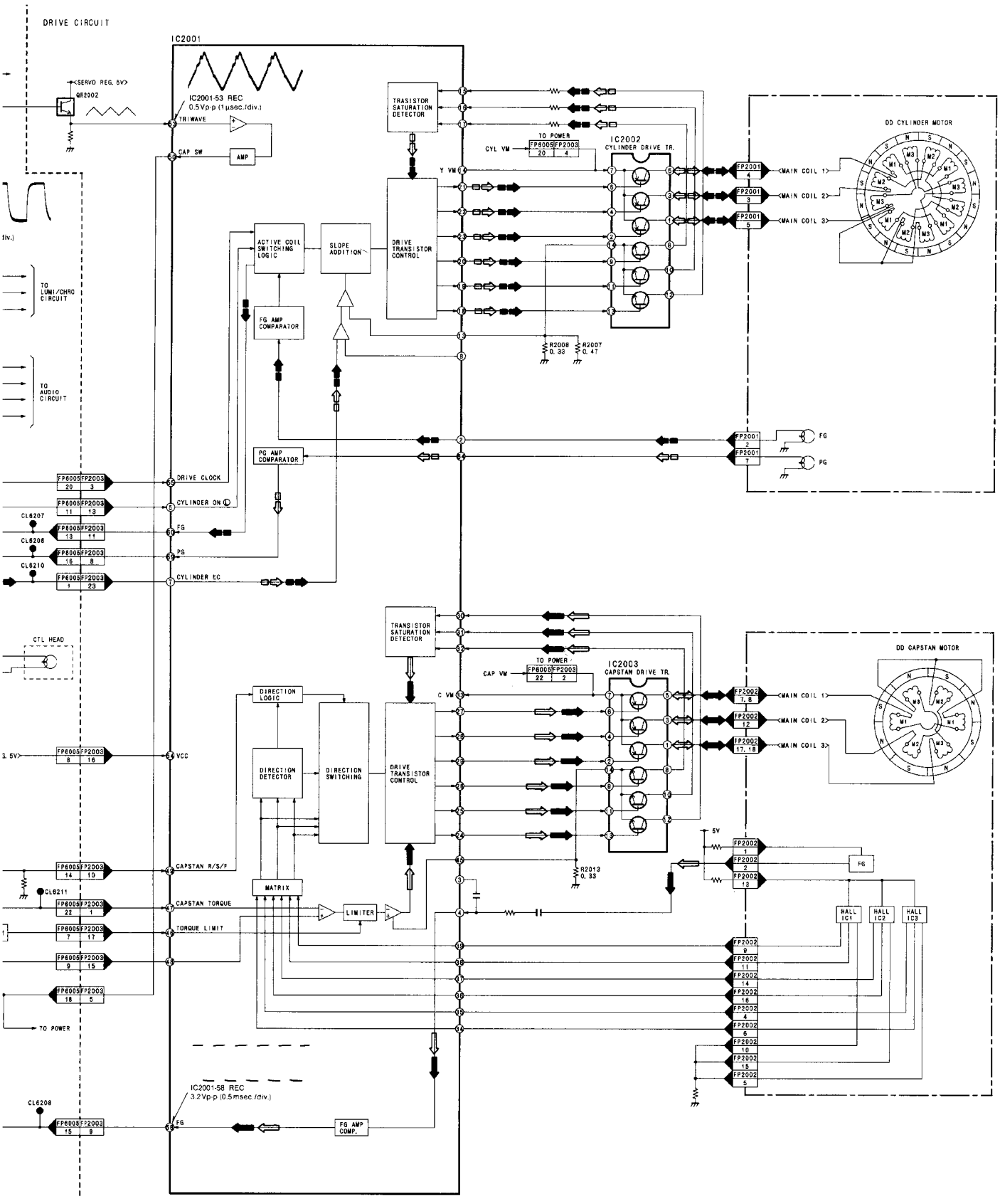


CAPSTAN SERVO SPEED LOOP

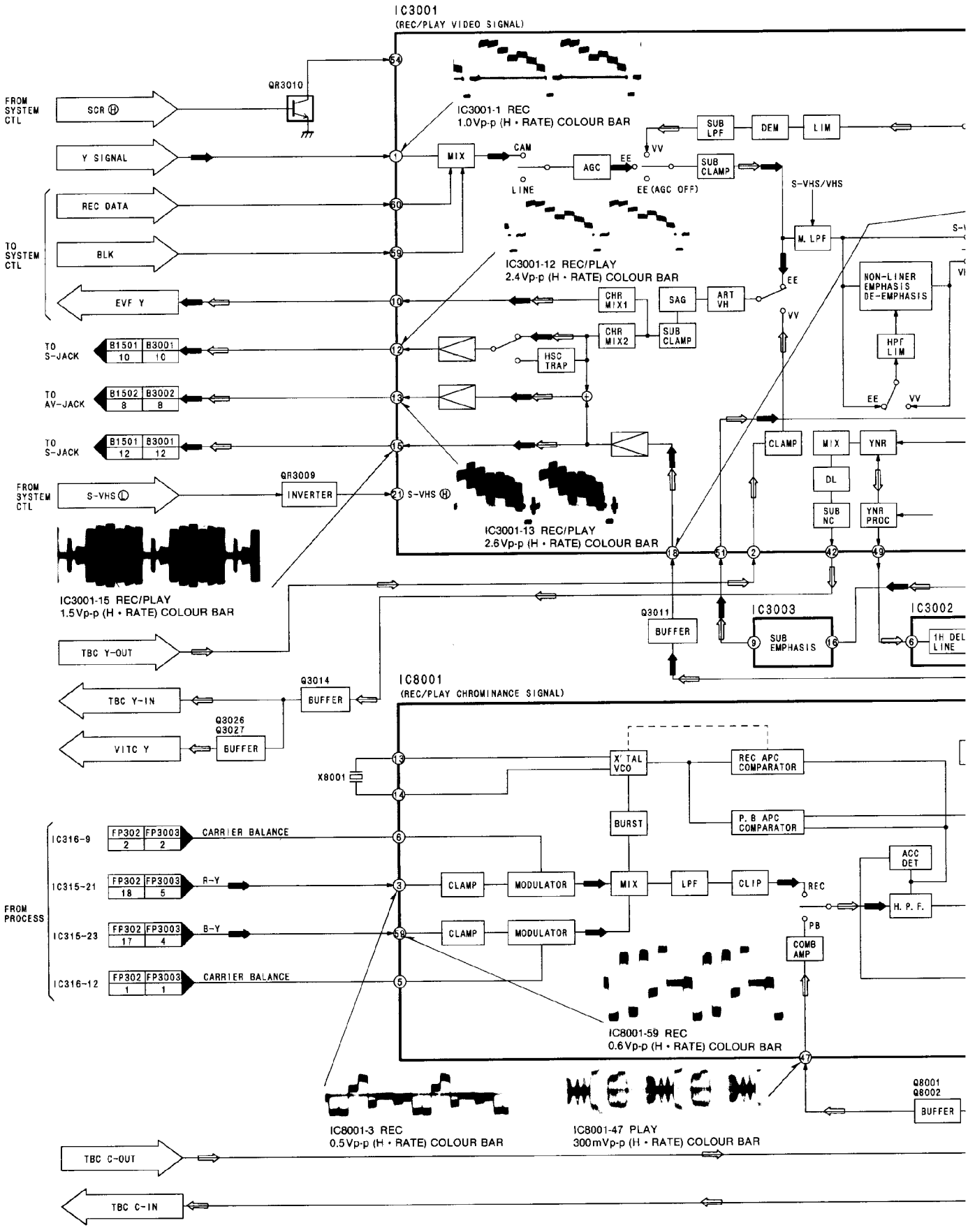
CAPSTAN SERVO PHASE LOOP

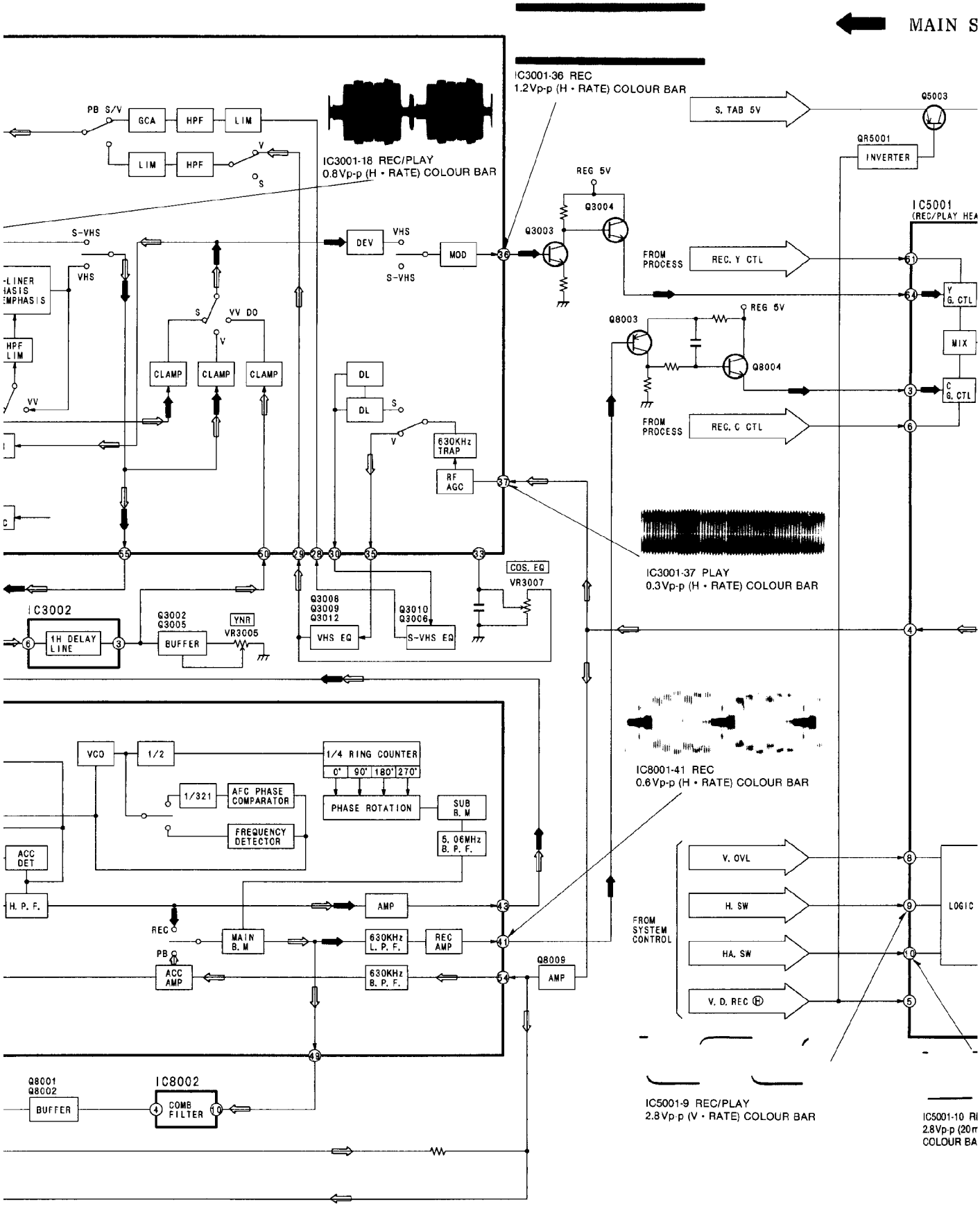


LOOP ◀■■ CYLINDER SERVO SPEED LOOP ◁□□ CYLINDER SERVO PHASE LOOP

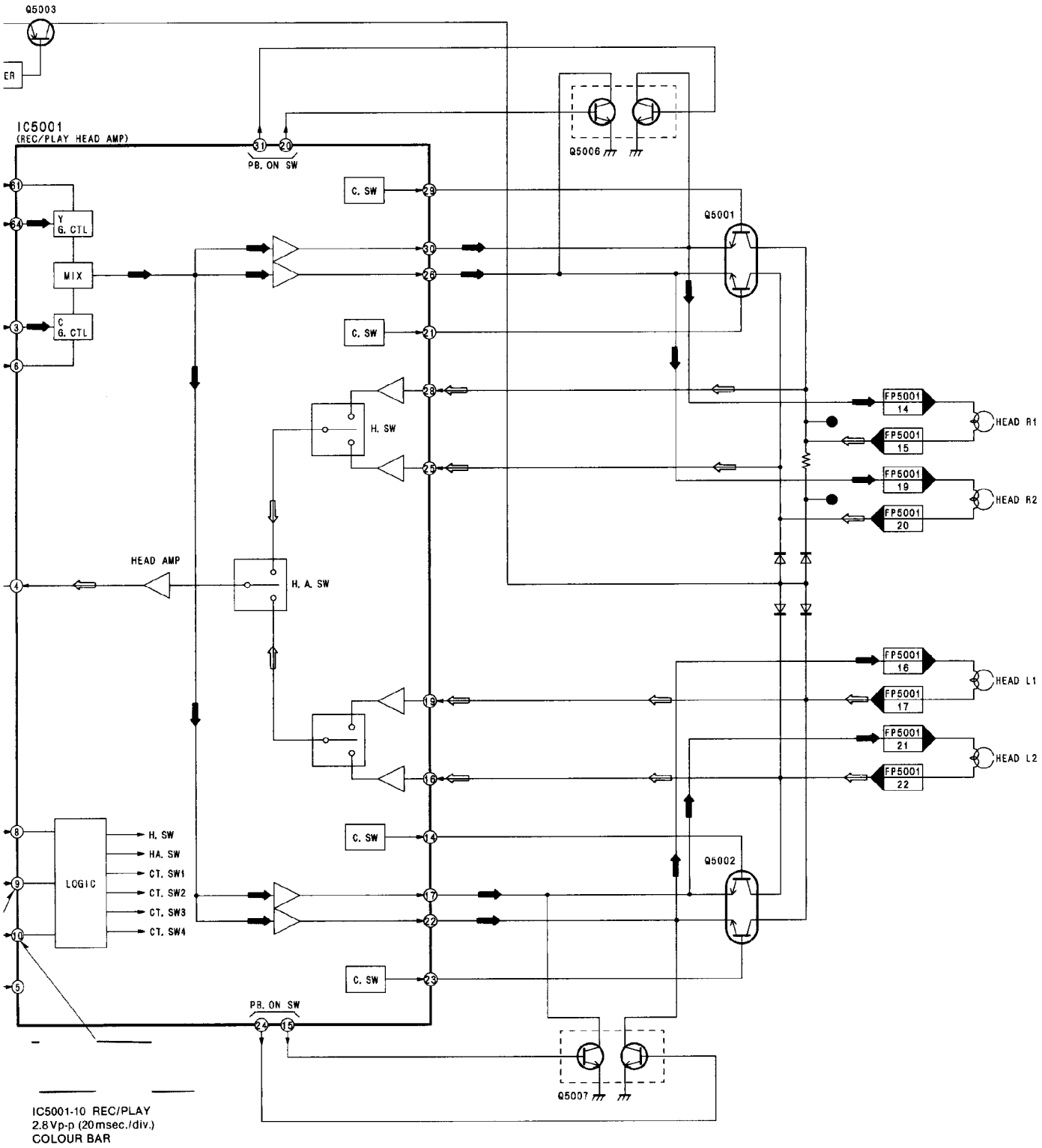


3-8. LUMINANCE/CHROMINANCE & HEAD AMP BLOCK DIAGRAM

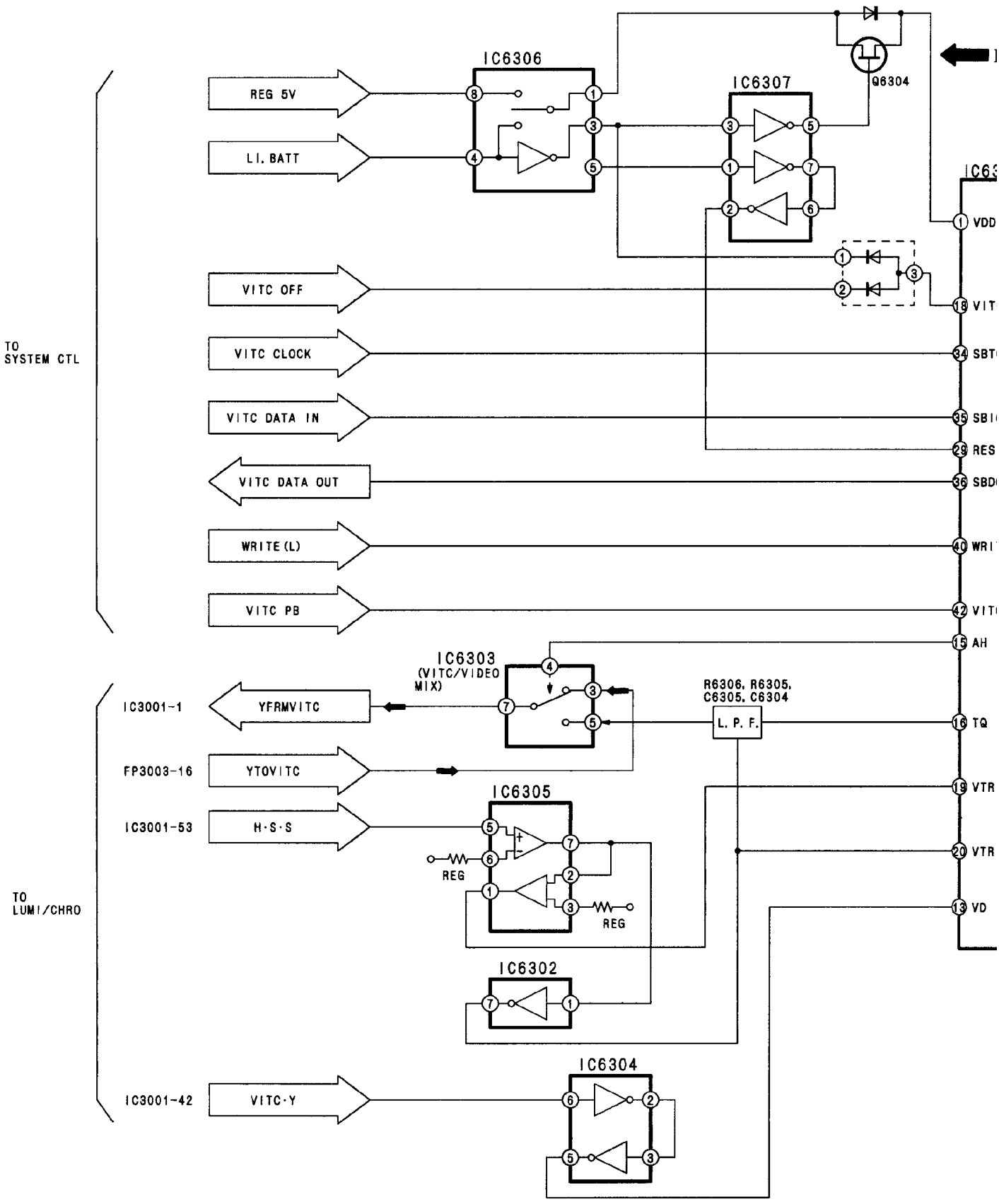



IC3001-36 REC
1.2Vp-p (H • RATE) COLOUR BAR
IC3001-18 REC/PLAY
0.8Vp-p (H • RATE) COLOUR BAR
IC3001-37 PLAY
0.3Vp-p (H • RATE) COLOUR BAR
IC8001-41 REC
0.6Vp-p (H • RATE) COLOUR BAR
IC5001-9 REC/PLAY
2.8Vp-p (V • RATE) COLOUR BAR
IC5001-10 RI
2.8Vp-p (20m
COLOUR BA
PB S/V
GCA
HPF
LIM
S-VHS
VHS
DEV
MOD
CLAMP
DL
630KHz TRAP
RF AGC
COS. EQ
VR3007
Q3008
Q3009
Q3012
VHS EQ
Q3010
Q3006
S-VHS EQ
IC3002
1H DELAY LINE
BUFFER
Q3002
Q3005
YNR
VR3005
VCO
1/2
1/4 RING COUNTER
0° 90° 180° 270°
1/321
AFC PHASE COMPARATOR
FREQUENCY DETECTOR
PHASE ROTATION
SUB B. M
5. 06MHz B. P. F.
ACC DET
H. P. F.
AMP
REC
MAIN B. M
630KHz L. P. F.
REC AMP
PB
ACC AMP
630KHz B. P. F.
Q8009
AMP
Q8001
Q8002
BUFFER
IC8002
COMB FILTER
S. TAB 5V
Q5003
QR5001
INVERTER
REG 5V
Q3004
Q3003
FROM PROCESS
REC. Y CTL
REC. C CTL
IC5001
(REC/PLAY HEA
Y G. CTL
MIX
C G. CTL
Q8003
Q8004
V. OVL
H. SW
HA. SW
V. D. REC Ⓗ
FROM SYSTEM CONTROL
LOGIC

MAIN SIGNAL PATH IN REC MODE ⇦ MAIN SIGNAL PATH IN PLAYBACK MODE

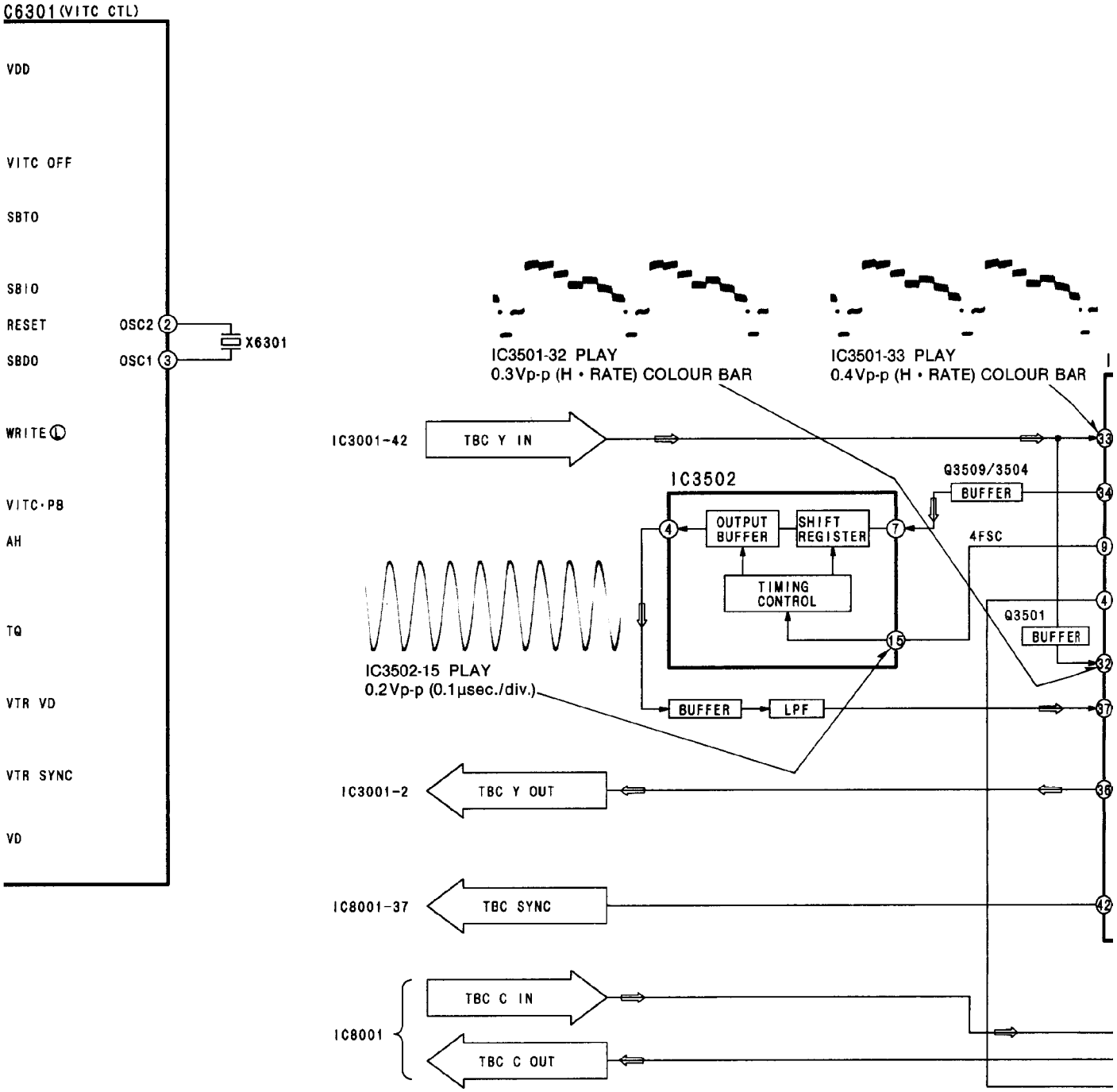


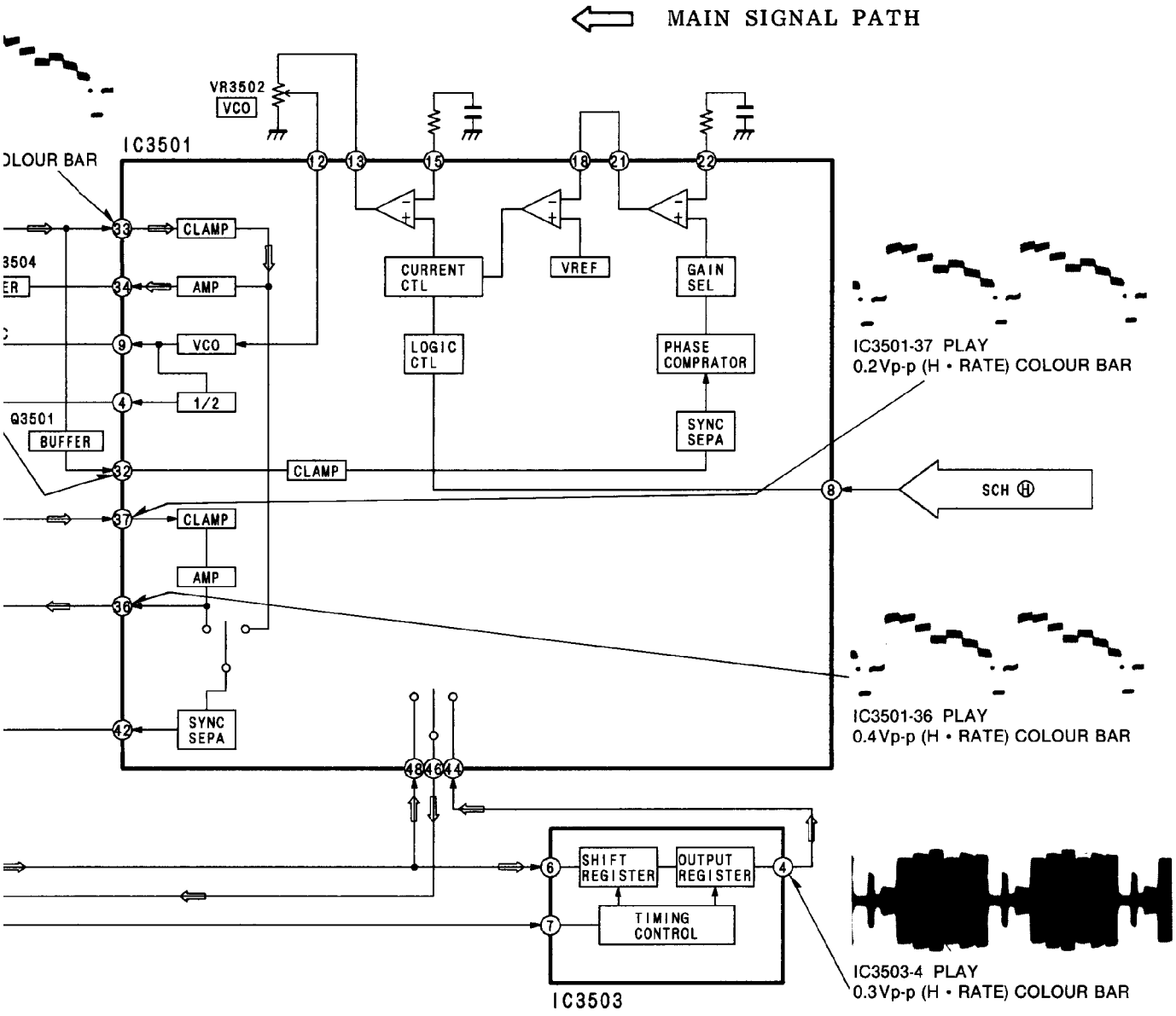
3-9. VITC BLOCK DIAGRAM



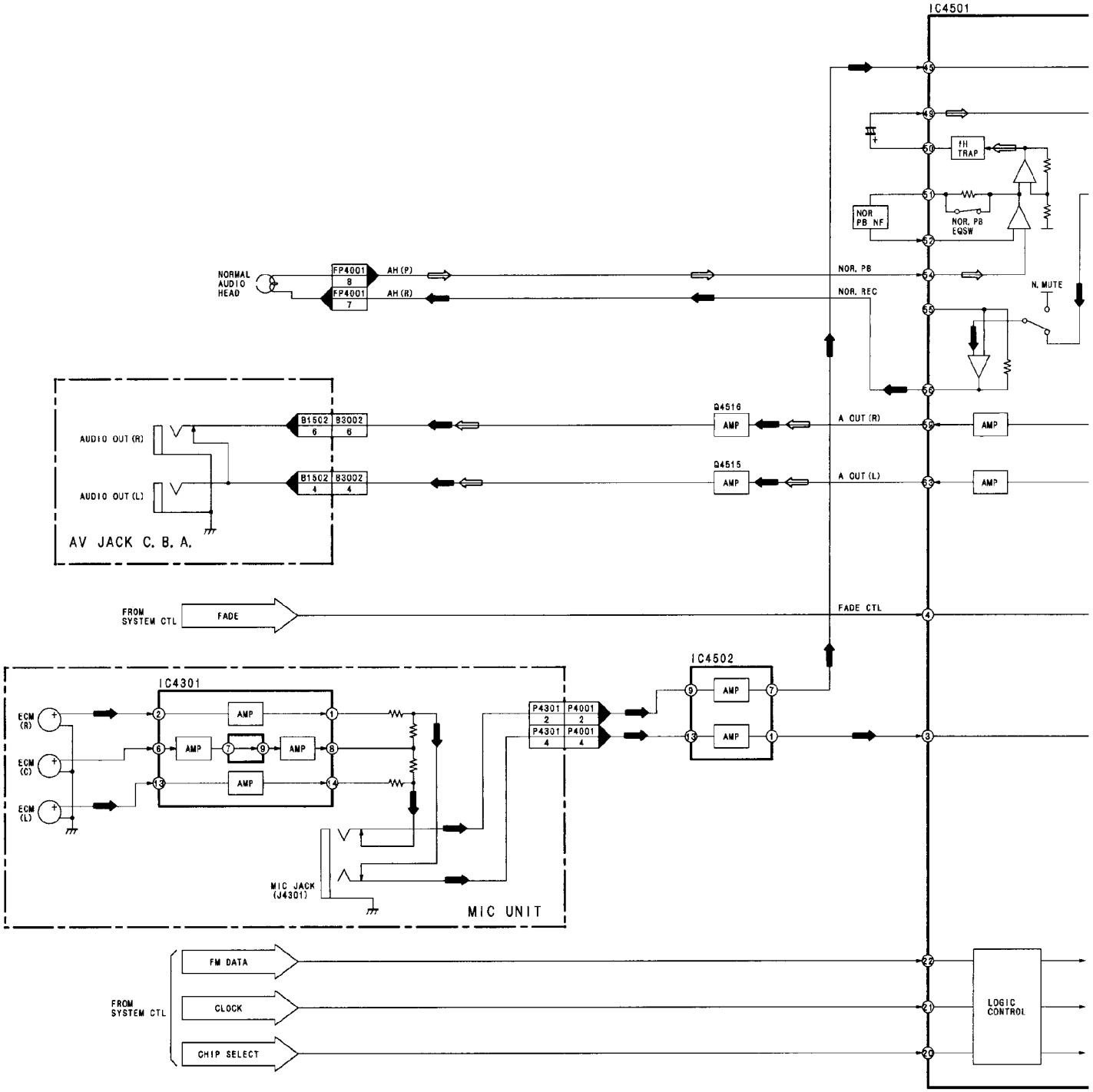
3-10. TBC BLOCK DIAGRAM

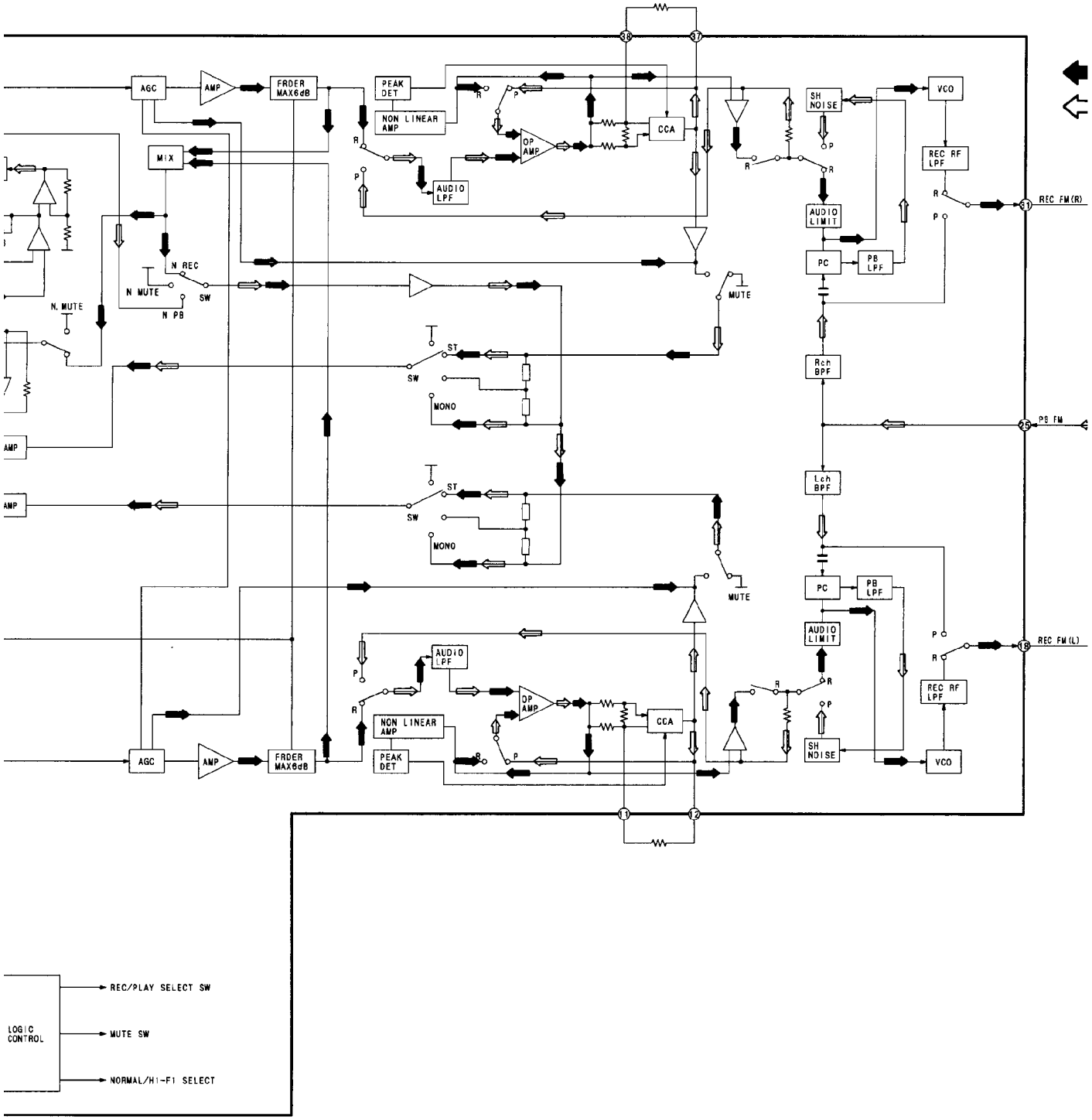
■ MAIN SIGNAL PATH




MAIN SIGNAL PATH
VR3502
VCO
IC3501
OLOUR BAR
CLAMP
AMP
VCO
1/2
Q3501
BUFFER
CLAMP
CLAMP
AMP
SYNC SEPA
CURRENT CTL
VREF
GAIN SEL
LOGIC CTL
PHASE COMPRATOR
SYNC SEPA
SCH Ⓗ
IC3501-37 PLAY
0.2Vp-p (H • RATE) COLOUR BAR
IC3501-36 PLAY
0.4Vp-p (H • RATE) COLOUR BAR
SHIFT REGISTER
OUTPUT REGISTER
TIMING CONTROL
IC3503
IC3503-4 PLAY
0.3Vp-p (H • RATE) COLOUR BAR

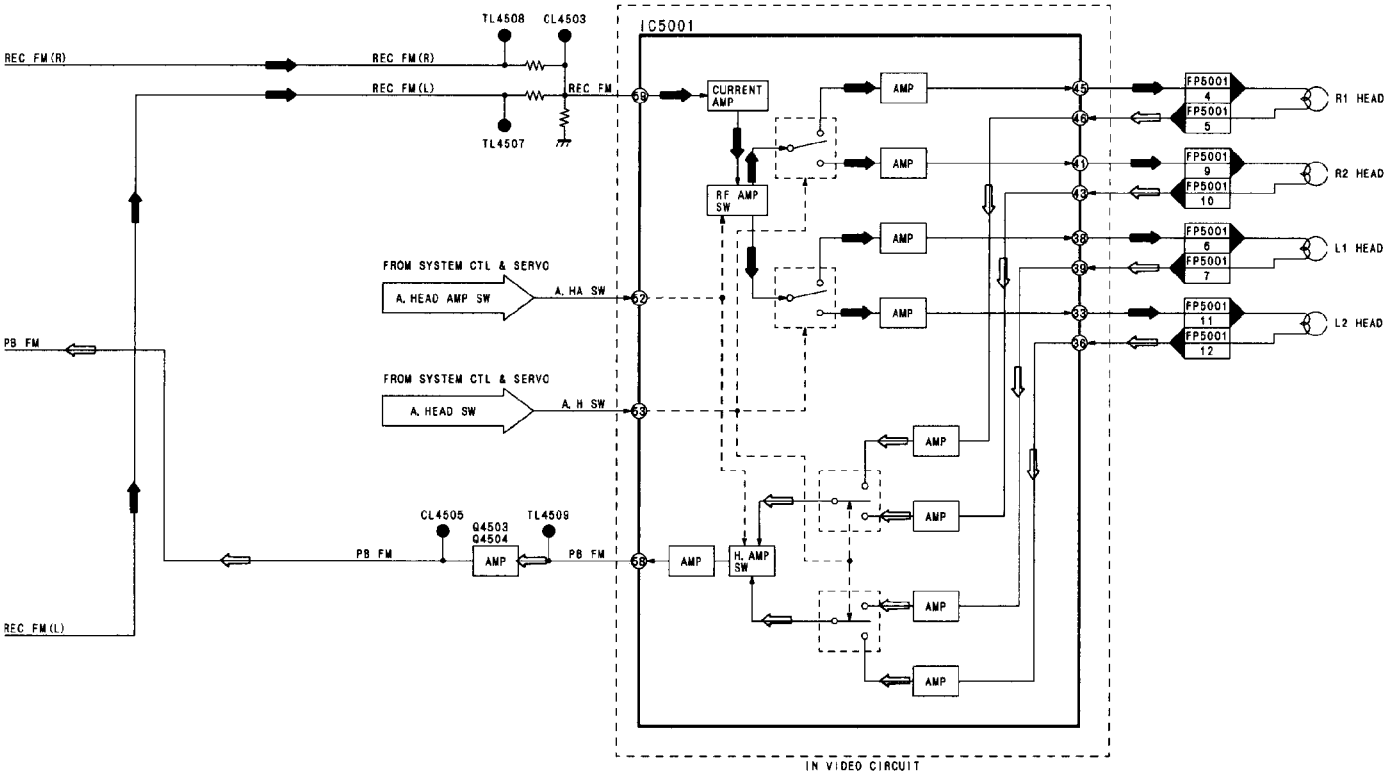
3-11. AUDIO BLOCK DIAGRAM



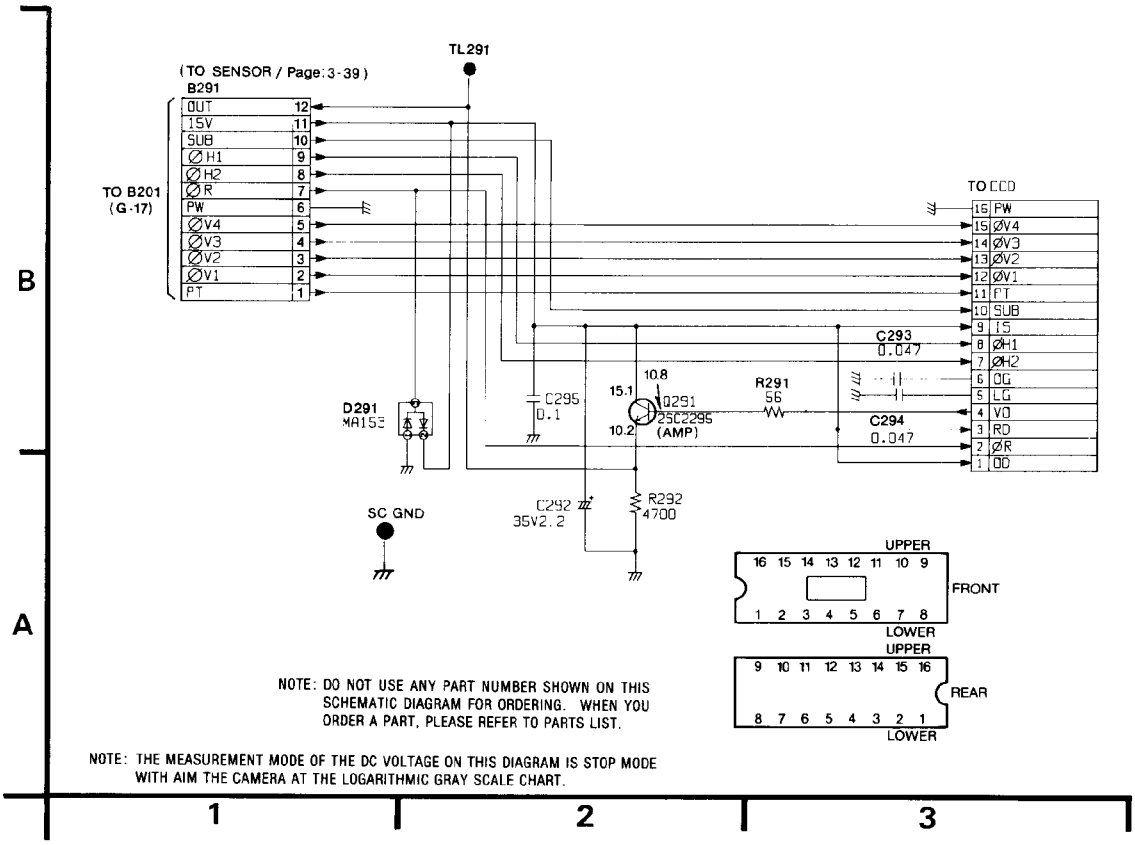

AGC
AMP
FRDER MAX6dB
PEAK DET
NON LINEAR AMP
OP AMP
CCA
AUDIO LPF
SH NOISE
VCO
REC RF LPF
REC FM(R)
AUDIO LIMIT
PC
PB LPF
MIX
N REC
N MUTE
N PB
SW
N. MUTE
MUTE
ST
MONO
Rch BPF
PB FM
Lch BPF
REC FM(L)
38
37
31
25
18
11
12
LOGIC CONTROL
REC/PLAY SELECT SW
MUTE SW
NORMAL/HI-FI SELECT

MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PLAYBACK MODE



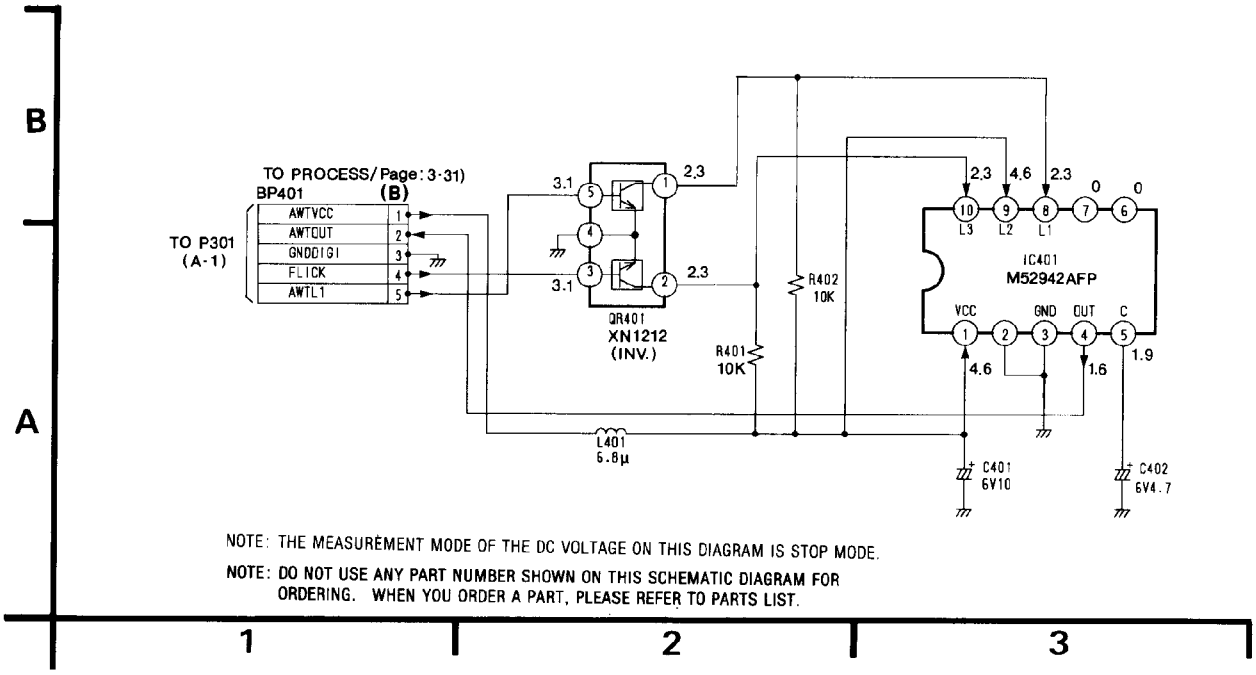
3-12. CCD FLEXIBLE CADE SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE LOGARITHMIC GRAY SCALE CHART.

3-14. AWT SENSOR SCHEMATIC DIAGRAM

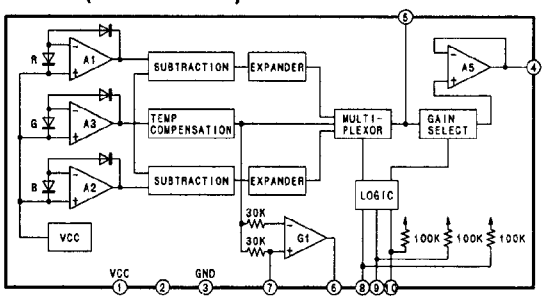


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

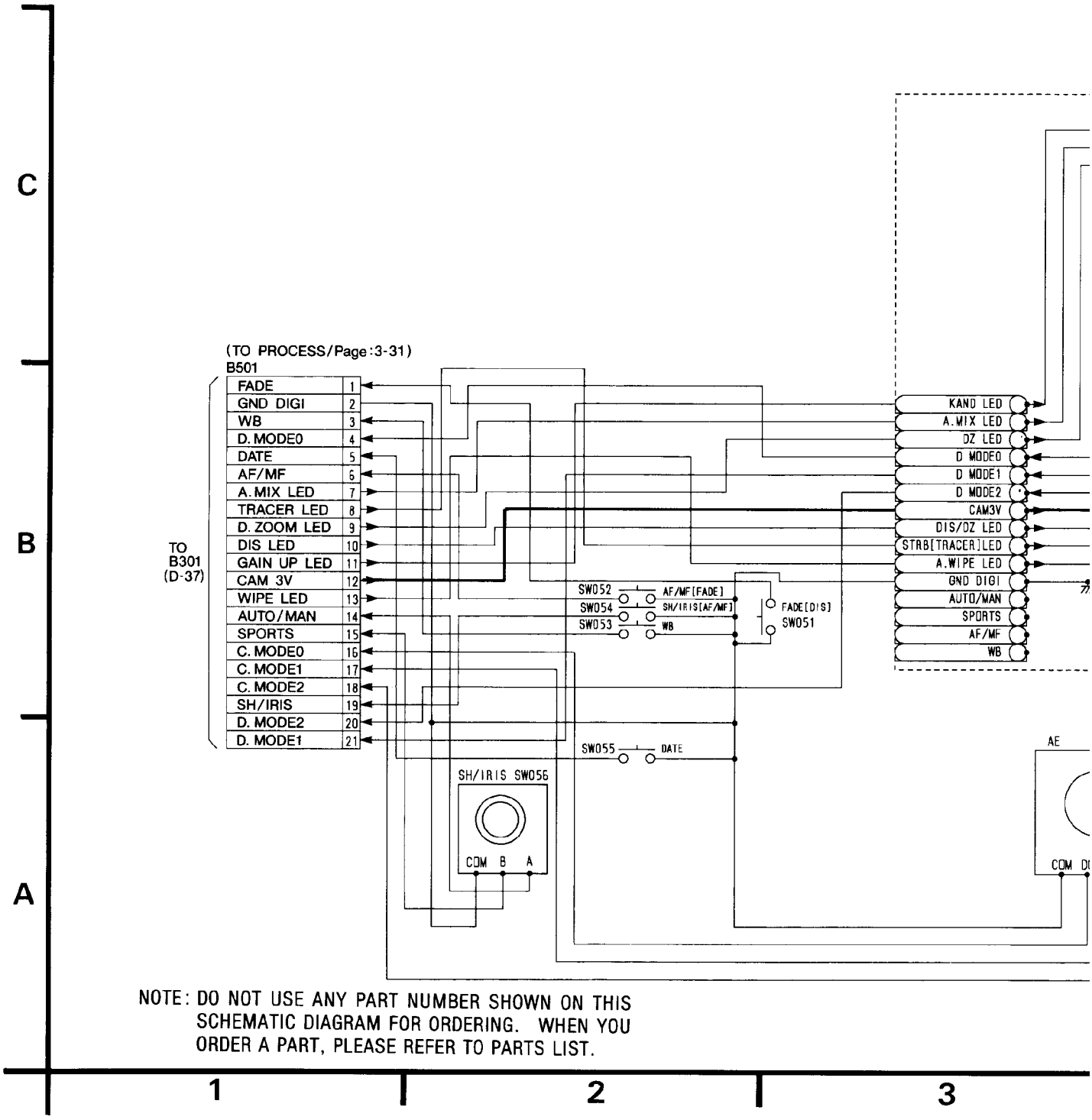
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IC BLOCK

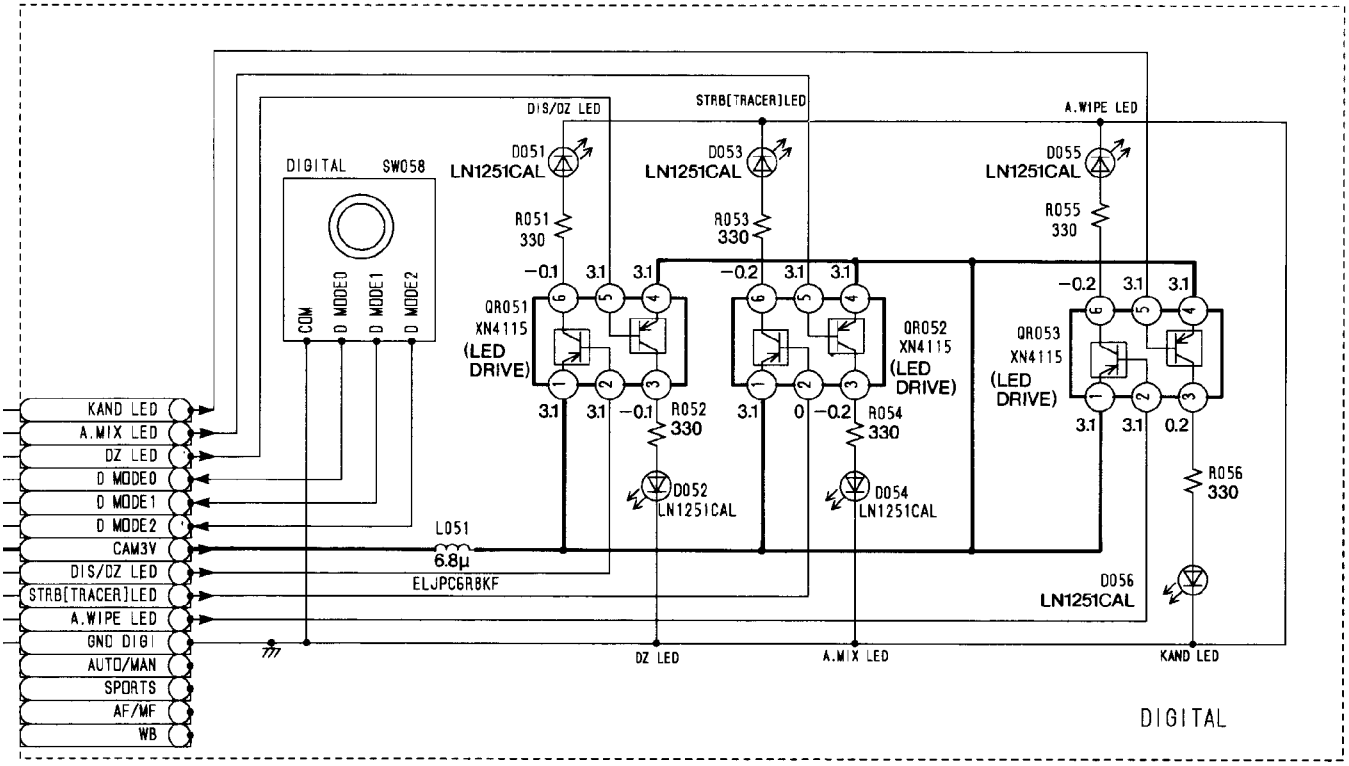
IC401 (M52942AFP)

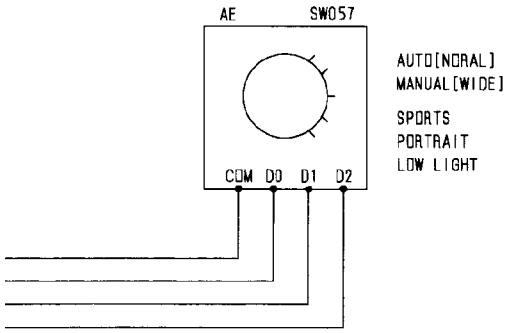


3-16. CAMERA OPERATION PANEL UNIT SCHEMATIC DIAGRAM



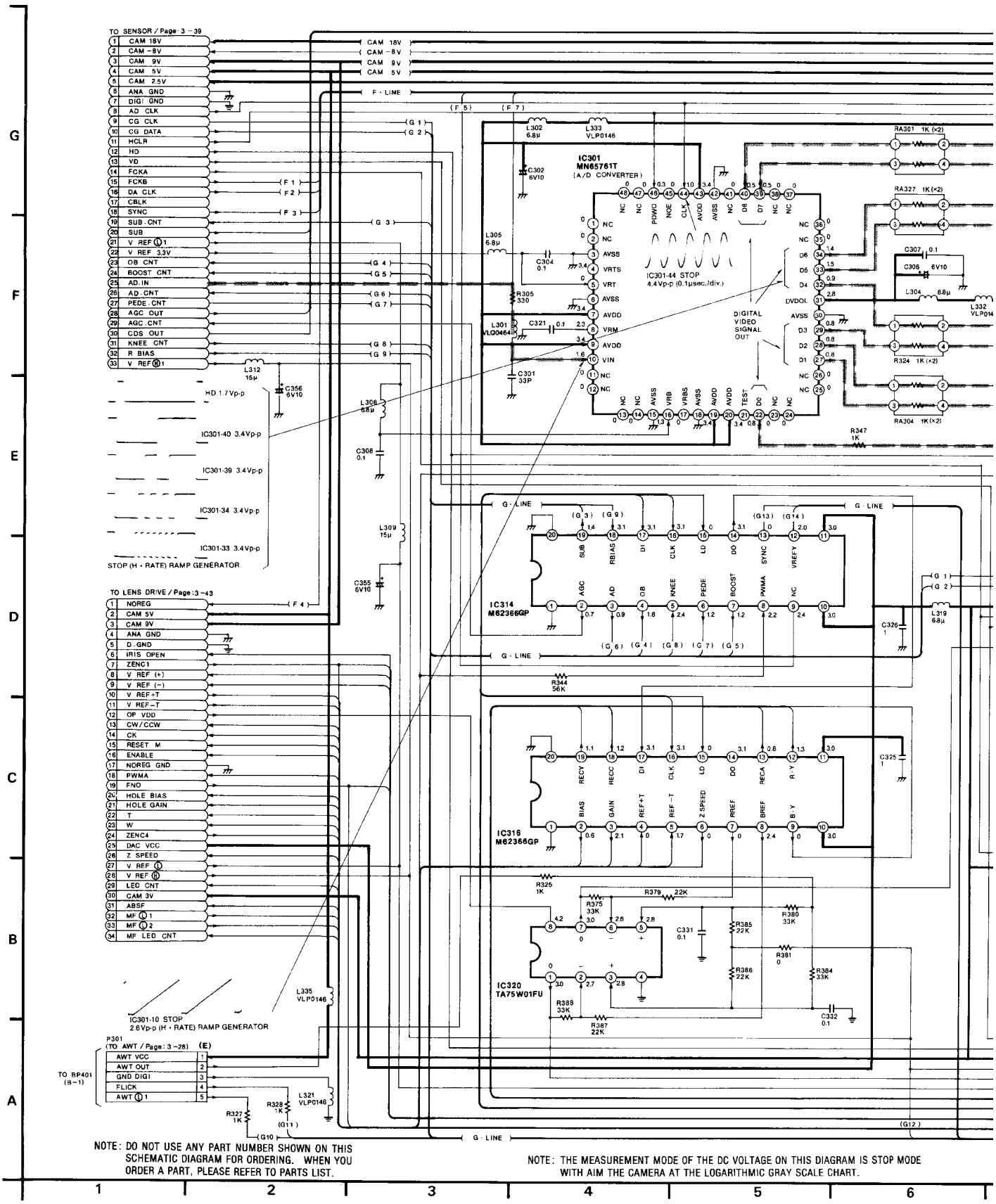
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.





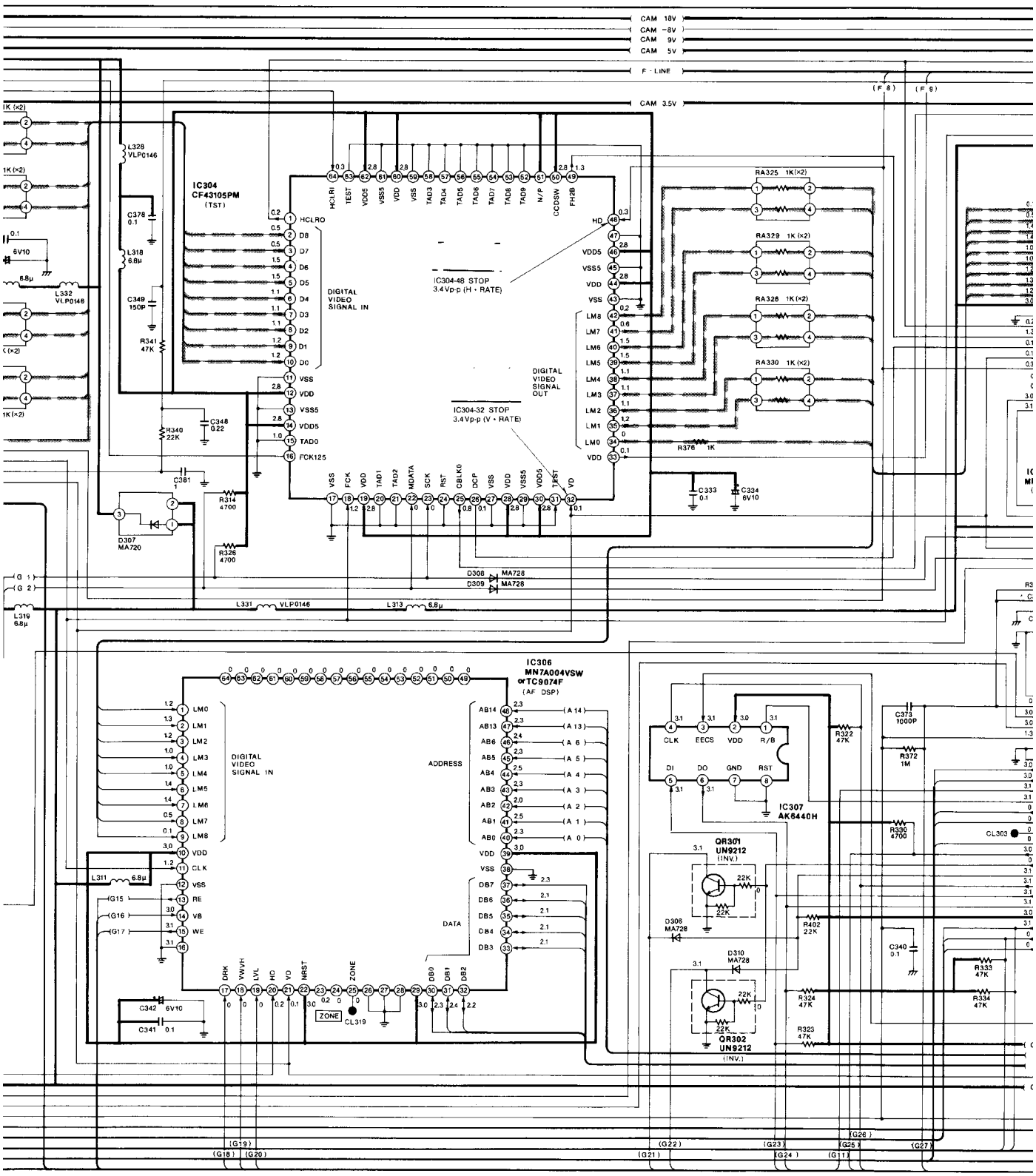
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

3-17. PROCESS SCHEMATIC DIAGRAM



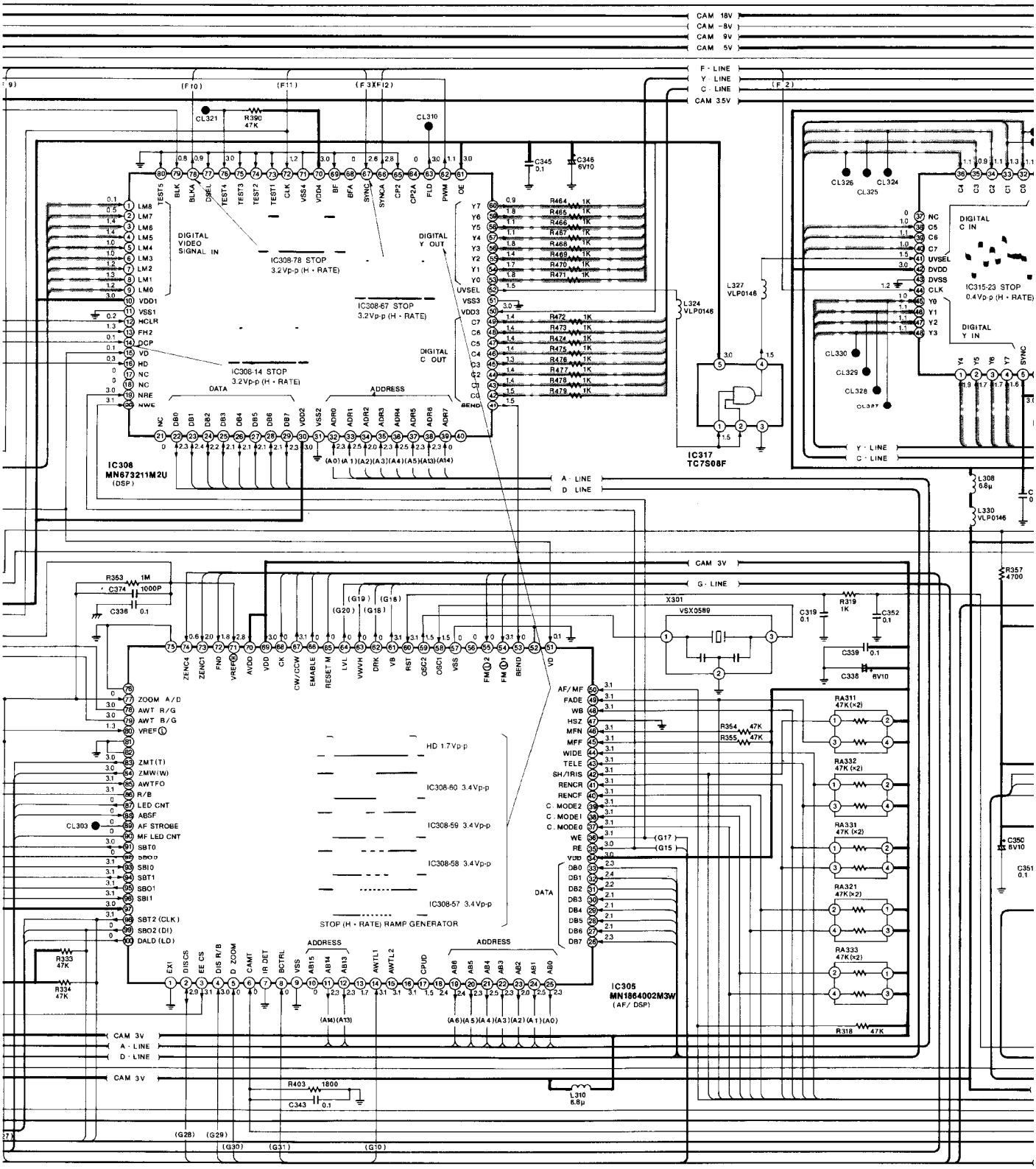
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE LOGARITHMIC GRAY SCALE CHART.


CAM 18V
CAM −8V
CAM 9V
CAM 5V
F-LINE
CAM 3.5V
IC304
CF43105PM
(TST)
DIGITAL VIDEO SIGNAL IN
DIGITAL VIDEO SIGNAL OUT
IC304-48 STOP
3.4Vp-p (H・RATE)
IC304-32 STOP
3.4Vp-p (V・RATE)
IC306
MN7A004VSW
or TC9074F
(AF DSP)
ADDRESS
DATA
IC307
AK6440H
QR301
UN9212
(INV.)
QR302
UN9212
(INV.)
D307
MA720
D308
MA728
D309
MA728
D306
MA728
D310
MA728
L328
VLP0146
L332
VLP0146
L318
6.8μ
L319
6.8μ
L331
VLP0146
L313
6.8μ
L311
6.8μ
RA325 1K(×2)
RA329 1K(×2)
RA326 1K(×2)
RA330 1K(×2)
R376 1K
R322 47K
R372 1M
R330 4700
R402 22K
R324 47K
R323 47K
R333 47K
R334 47K
R314 4700
R306 4700
R340 22K
R341 47K
C378 0.1
C349 150P
C348 0.22
C381
C333 0.1
C324 6V10
C373 1000P
C340 0.1
C342 6V10
C341 0.1
CL303
CL319
ZONE
(F 8)
(F 9)
(G 1)
(G 2)
(G15)
(G16)
(G17)
(G18)
(G19)
(G20)
(G21)
(G22)
(G23)
(G24)
(G25)
(G26)
(G27)

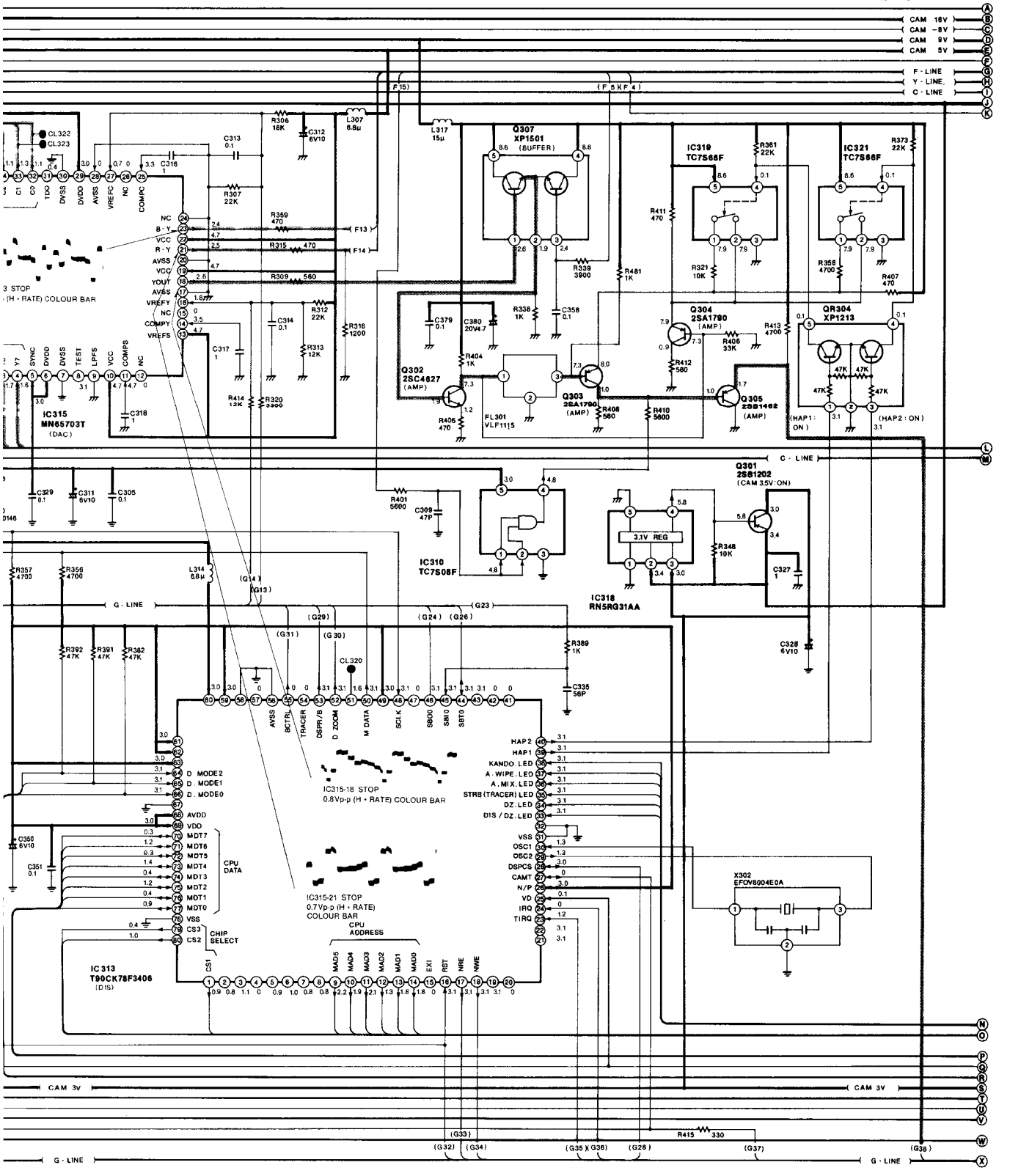
7 8 9 10 11 12

VIDEO SIGNAL DIGITAL Y SIGNAL DIGITAL C SIG

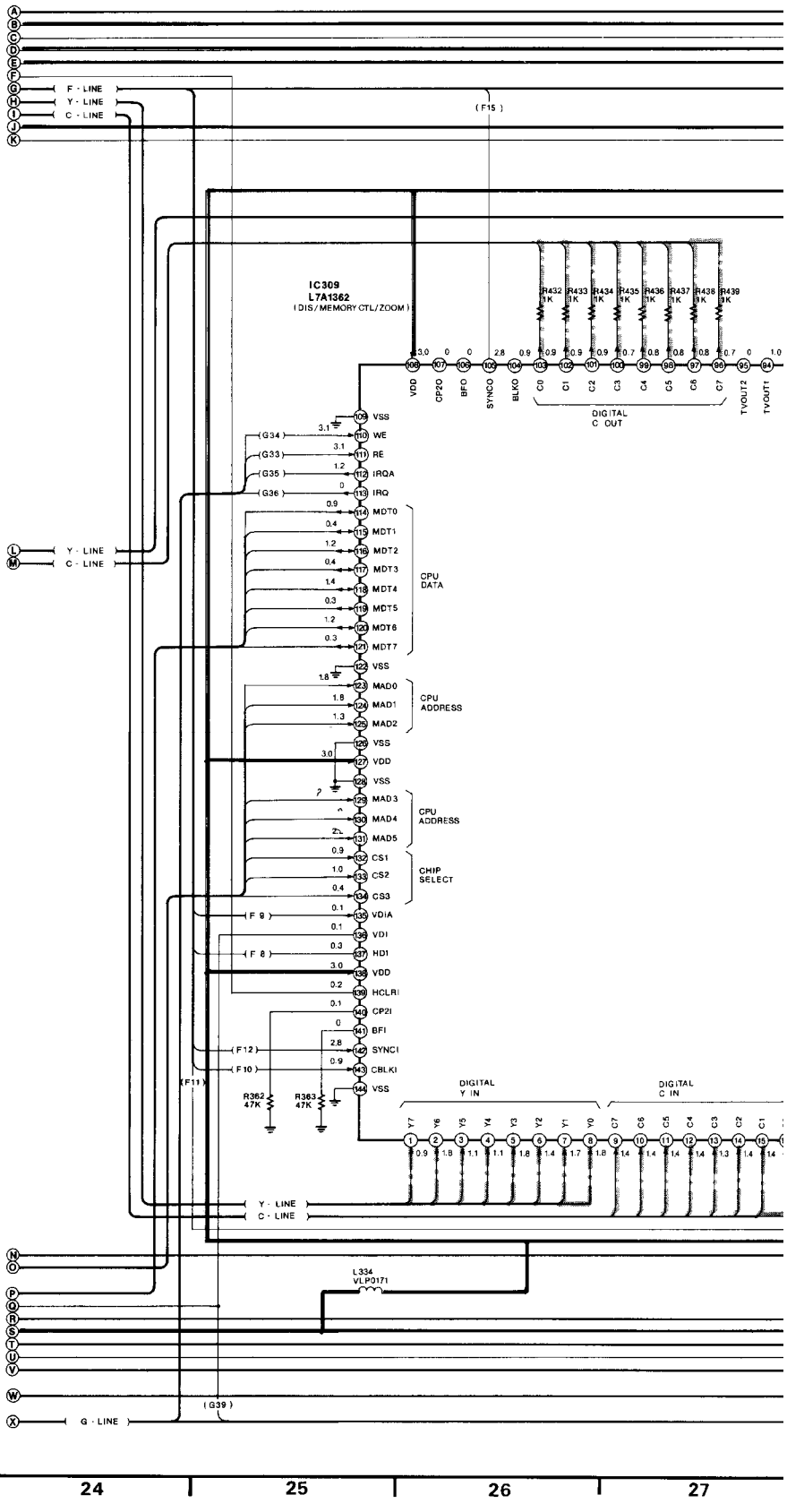


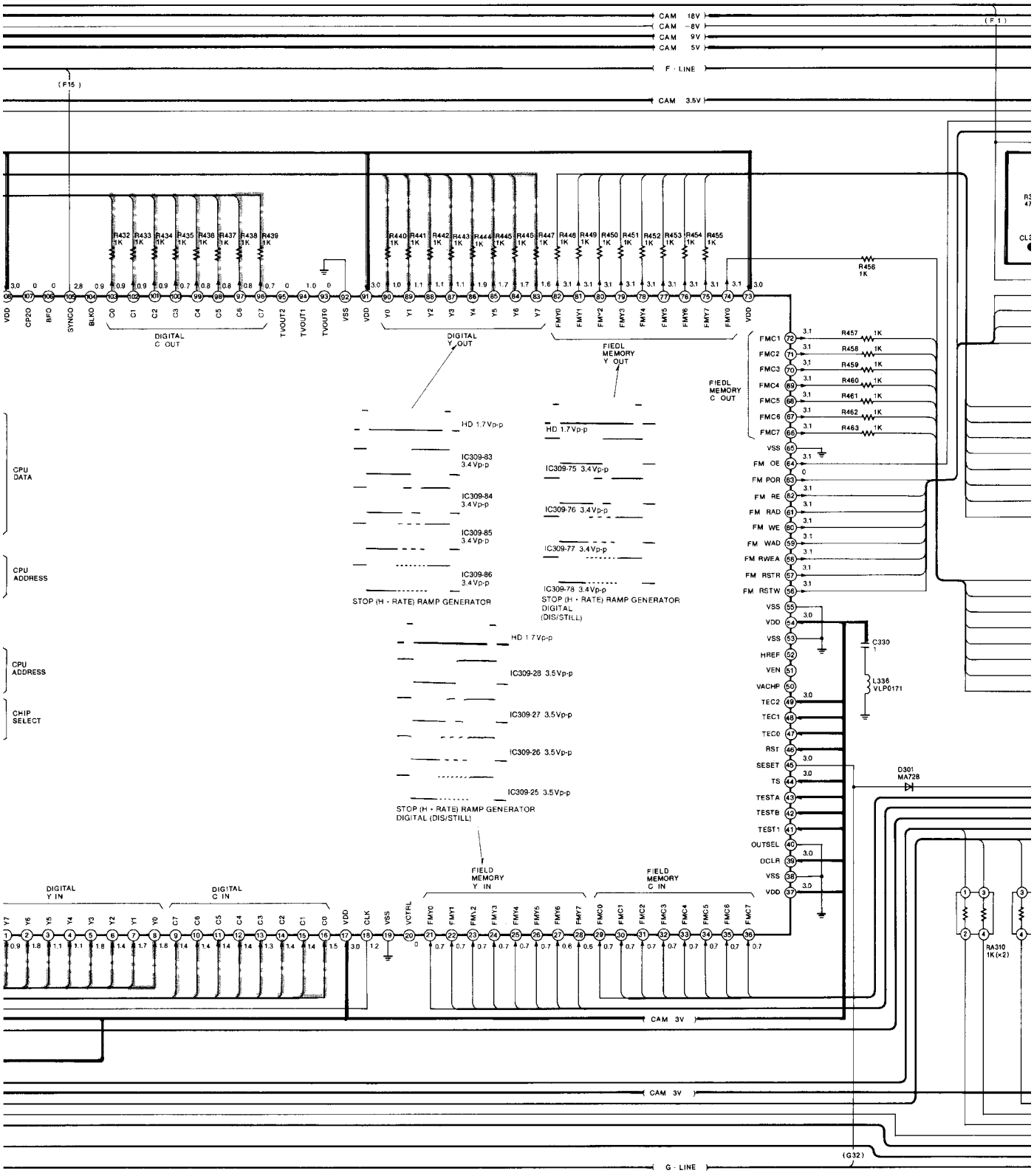
12 | 13 | 14 | 15 | 16 | 17

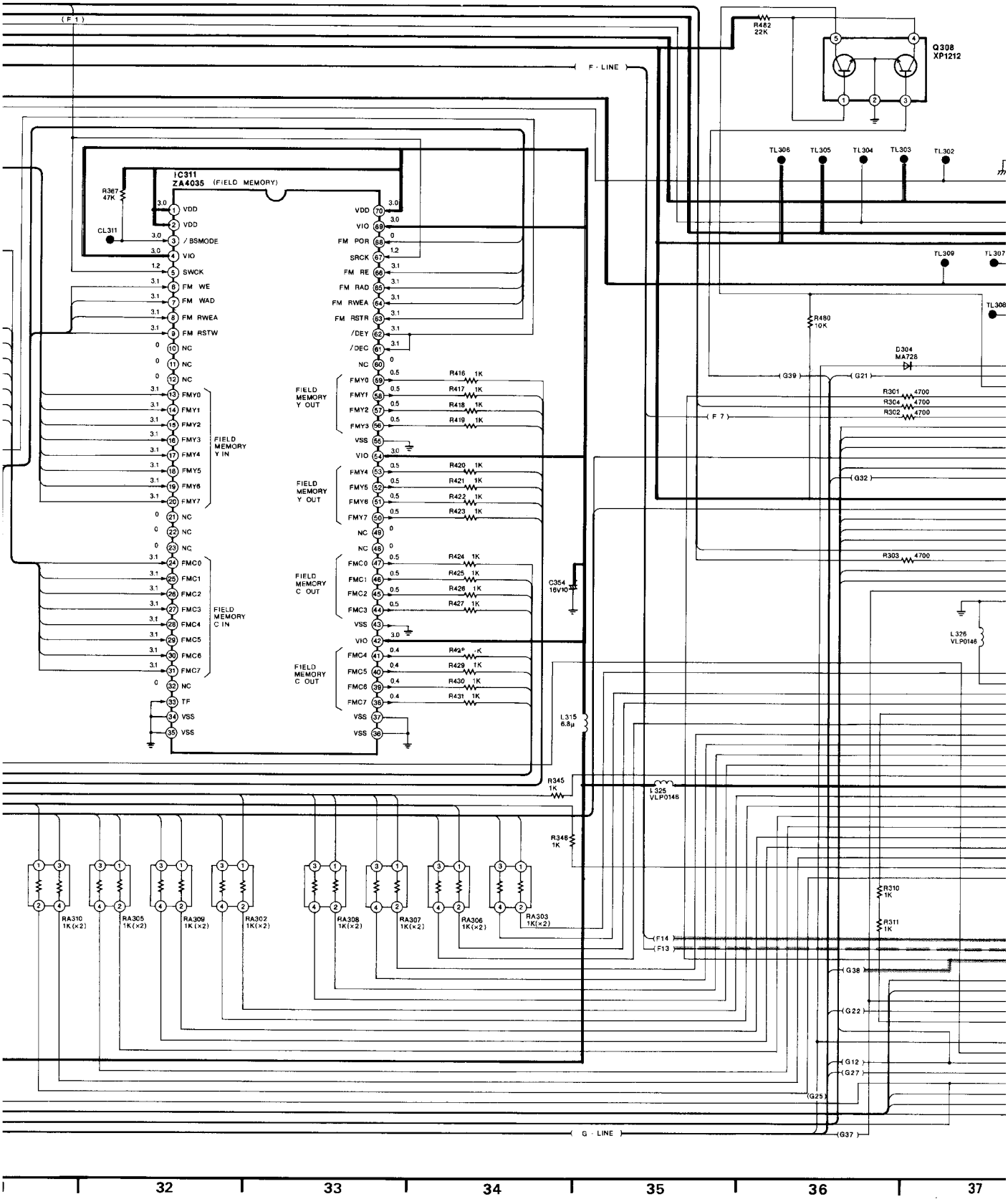
SIGNAL ——— Y SIGNAL ——— R-Y SIGNAL ——— B-Y SIGNAL



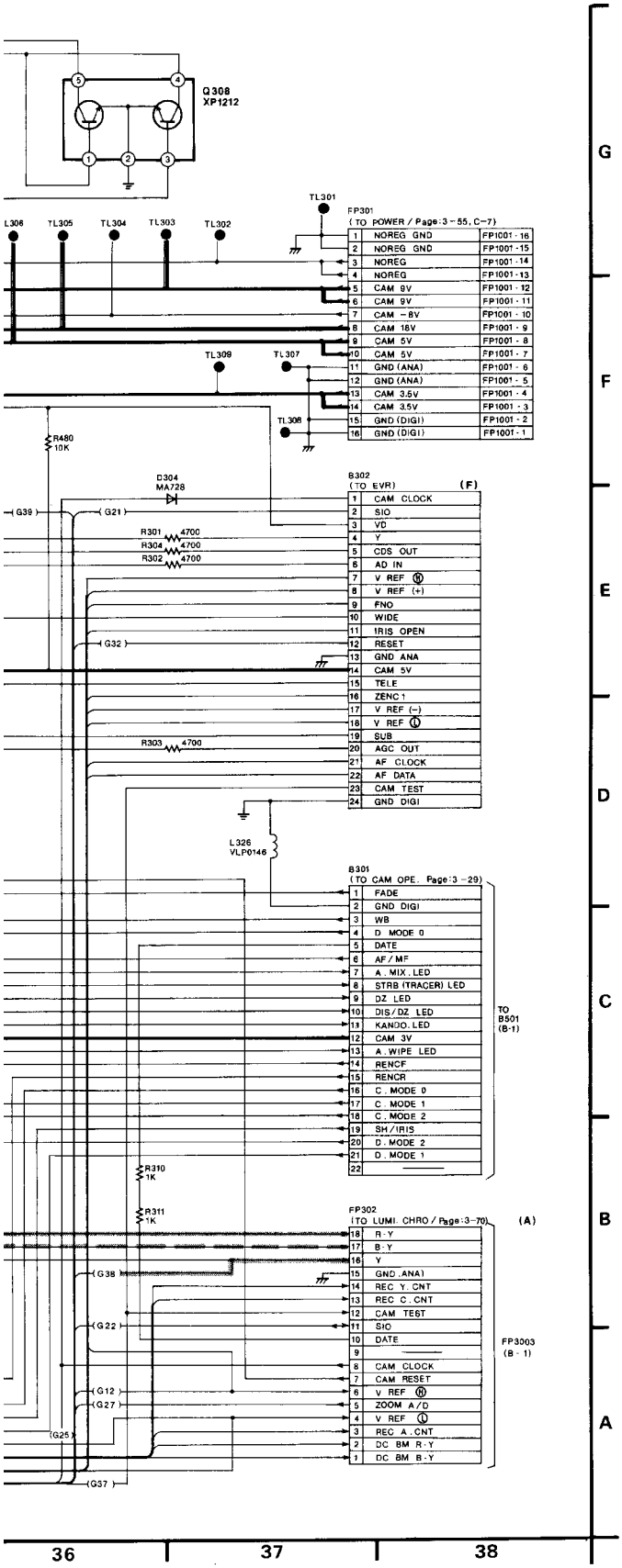
18 | 19 | 20 | 21 | 22 | 23


F - LINE
Y - LINE
C - LINE
(F15)
IC309
L7A1362
(DIS/MEMORY CTL/ZOOM)
R432 1K
R433 1K
R434 1K
R435 1K
R436 1K
R437 1K
R438 1K
R439 1K
VDD
CP2O
BFO
SYNCO
BLKO
C0
C1
C2
C3
C4
C5
C6
C7
TVOUT2
TVOUT1
DIGITAL C OUT
VSS
WE
RE
IRQA
IRQ
MDT0
MDT1
MDT2
MDT3
MDT4
MDT5
MDT6
MDT7
CPU DATA
MAD0
MAD1
MAD2
CPU ADDRESS
MAD3
MAD4
MAD5
CPU ADDRESS
CS1
CS2
CS3
CHIP SELECT
VDIA
VDI
HDI
VDD
HCLRI
CP2I
BFI
SYNCI
CBLKI
VSS
(G34)
(G33)
(G35)
(G36)
(F9)
(F8)
(F12)
(F10)
(F11)
R362 47K
R363 47K
DIGITAL Y IN
DIGITAL C IN
L334 VLP0171
(G39)
G - LINE

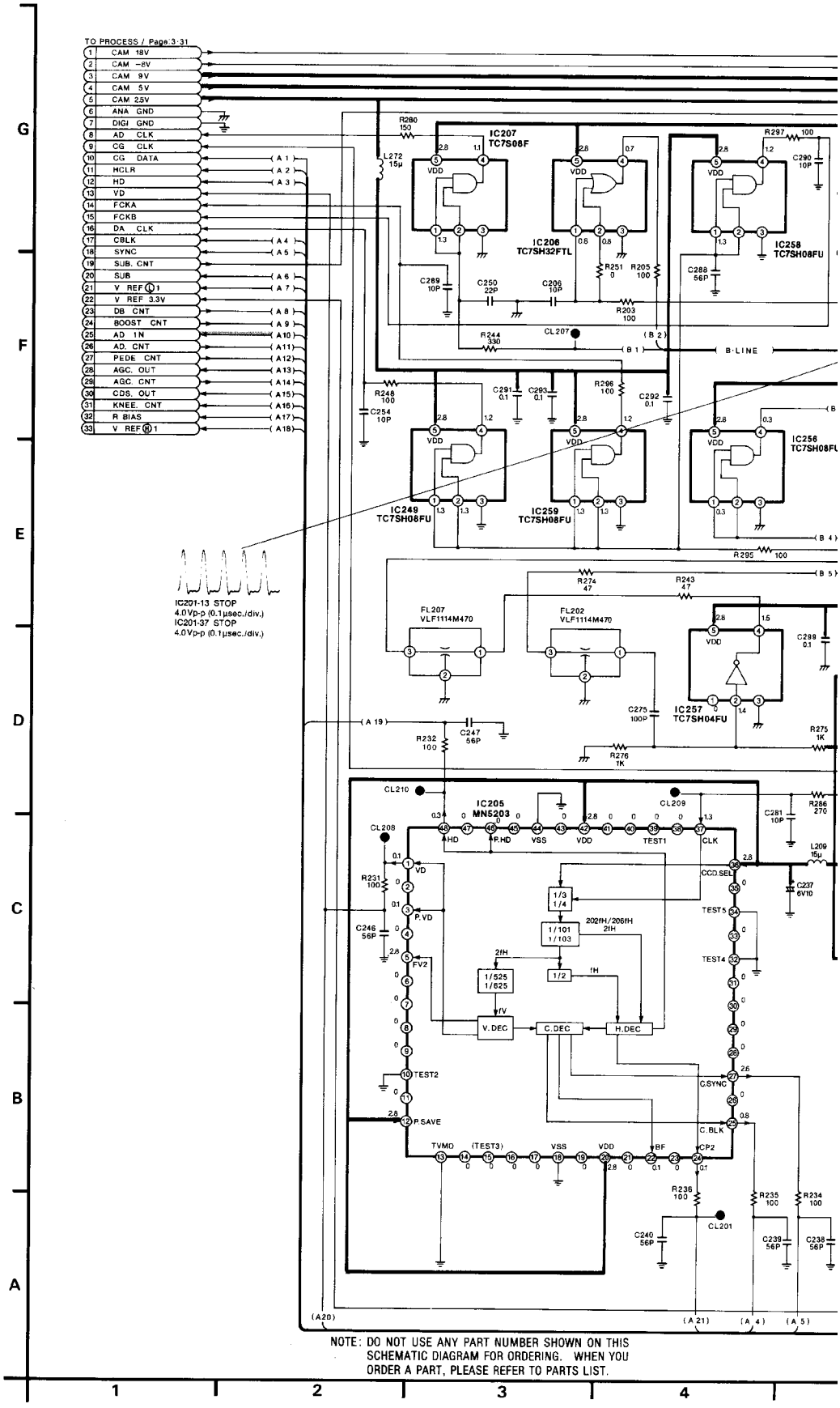

CAM 18V
CAM -8V
CAM 9V
CAM 5V
F · LINE
CAM 3.5V
(F15)
(F1)
R432 1K
R433 1K
R434 1K
R435 1K
R436 1K
R437 1K
R438 1K
R439 1K
R440 1K
R441 1K
R442 1K
R443 1K
R444 1K
R445 1K
R446 1K
R447 1K
R448 1K
R449 1K
R450 1K
R451 1K
R452 1K
R453 1K
R454 1K
R455 1K
R456 1K
VDD
CP2O
BFO
SYNCO
BLKO
C0
C1
C2
C3
C4
C5
C6
C7
TVOUT2
TVOUT1
TVOUT0
VSS
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
FMY0
FMY1
FMY2
FMY3
FMY4
FMY5
FMY6
FMY7
DIGITAL C OUT
DIGITAL Y OUT
FIEDL MEMORY Y OUT
FIEDL MEMORY C OUT
FMC1
FMC2
FMC3
FMC4
FMC5
FMC6
FMC7
R457 1K
R458 1K
R459 1K
R460 1K
R461 1K
R462 1K
R463 1K
FM OE
FM POR
FM RE
FM RAD
FM WE
FM WAD
FM RWEA
FM RSTR
FM RSTW
HREF
VEN
VACHP
TEC2
TEC1
TEC0
RST
SESET
TS
TESTA
TESTB
TEST1
OUTSEL
DCLR
C330 1
L336 VLP0171
D301 MA728
RA310 1K(x2)
CPU DATA
CPU ADDRESS
CPU ADDRESS
CHIP SELECT
HD 1.7Vp-p
IC309-83 3.4Vp-p
IC309-84 3.4Vp-p
IC309-85 3.4Vp-p
IC309-86 3.4Vp-p
STOP (H · RATE) RAMP GENERATOR
IC309-75 3.4Vp-p
IC309-76 3.4Vp-p
IC309-77 3.4Vp-p
IC309-78 3.4Vp-p
STOP (H · RATE) RAMP GENERATOR DIGITAL (DIS/STILL)
IC309-28 3.5Vp-p
IC309-27 3.5Vp-p
IC309-26 3.5Vp-p
IC309-25 3.5Vp-p
STOP (H · RATE) RAMP GENERATOR DIGITAL (DIS/STILL)
DIGITAL Y IN
DIGITAL C IN
FIELD MEMORY Y IN
FIELD MEMORY C IN
CLK
VCTRL
CAM 3V
CAM 3V
G · LINE
(G32)
26
27
28
29
30
31

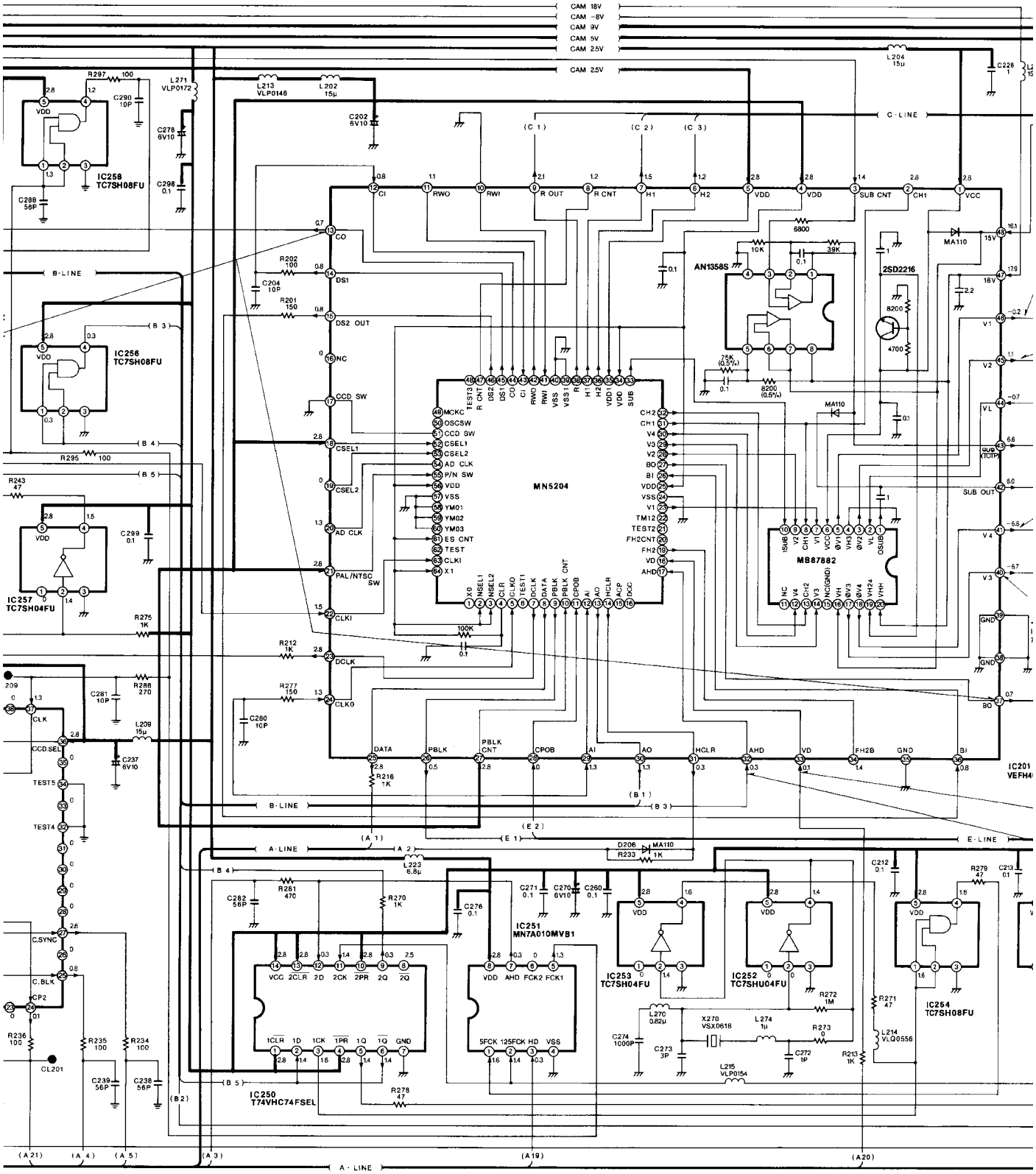


32 33 34 35 36 37

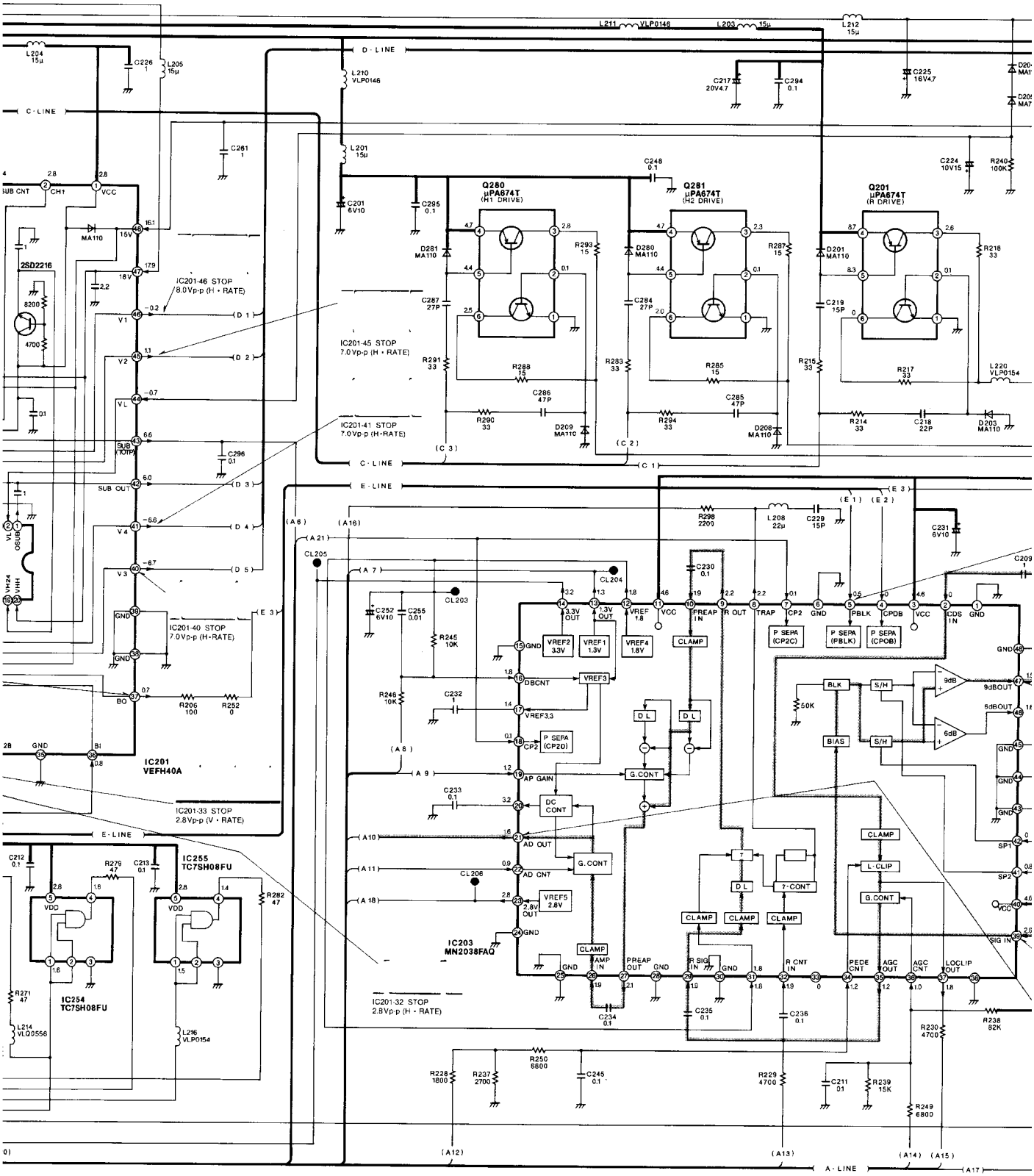

Q308
XP1212
TL301
TL306
TL305
TL304
TL303
TL302
TL309
TL307
TL308
FP301
(TO POWER / Page:3-55, C-7)
1 NOREG GND FP1001-16
2 NOREG GND FP1001-15
3 NOREG FP1001-14
4 NOREG FP1001-13
5 CAM 9V FP1001-12
6 CAM 9V FP1001-11
7 CAM -8V FP1001-10
8 CAM 18V FP1001-9
9 CAM 5V FP1001-8
10 CAM 5V FP1001-7
11 GND (ANA) FP1001-6
12 GND (ANA) FP1001-5
13 CAM 3.5V FP1001-4
14 CAM 3.5V FP1001-3
15 GND (DIGI) FP1001-2
16 GND (DIGI) FP1001-1
R480 10K
D304 MA728
B302
(TO EVR) (F)
1 CAM CLOCK
2 SIO
3 VD
4 Y
5 CDS OUT
6 AD IN
7 V REF (M)
8 V REF (+)
9 FNO
10 WIDE
11 IRIS OPEN
12 RESET
13 GND ANA
14 CAM 5V
15 TELE
16 ZENC 1
17 V REF (-)
18 V REF (L)
19 SUB
20 AGC OUT
21 AF CLOCK
22 AF DATA
23 CAM TEST
24 GND DIGI
(G39)
(G21)
R301 4700
R304 4700
R302 4700
(G32)
R303 4700
L326
VLP0146
B301
(TO CAM OPE. Page:3-29)
1 FADE
2 GND DIGI
3 WB
4 D MODE 0
5 DATE
6 AF/MF
7 A.MIX.LED
8 STRB (TRACER) LED
9 DZ LED
10 DIS/DZ LED
11 KANDO.LED
12 CAM 3V
13 A.WIPE LED
14 RENCF
15 RENCR
16 C.MODE 0
17 C.MODE 1
18 C.MODE 2
19 SH/IRIS
20 D.MODE 2
21 D.MODE 1
22 ——
TO B501 (B-1)
R310 1K
R311 1K
FP302
(TO LUMI. CHRO / Page:3-70) (A)
18 R-Y
17 B-Y
16 Y
15 GND.ANA)
14 REC Y.CNT
13 REC C.CNT
12 CAM TEST
11 SIO
10 DATE
9 ——
8 CAM CLOCK
7 CAM RESET
6 V REF (M)
5 ZOOM A/D
4 V REF (L)
3 REC A.CNT
2 DC BM R-Y
1 DC BM B-Y
FP3003 (B-1)
(G38)
(G22)
(G12)
(G27)
(G25)
(G37)
G
F
E
D
C
B
A
36
37
38

3-18. SENSOR SCHEMATIC DIAGRAM

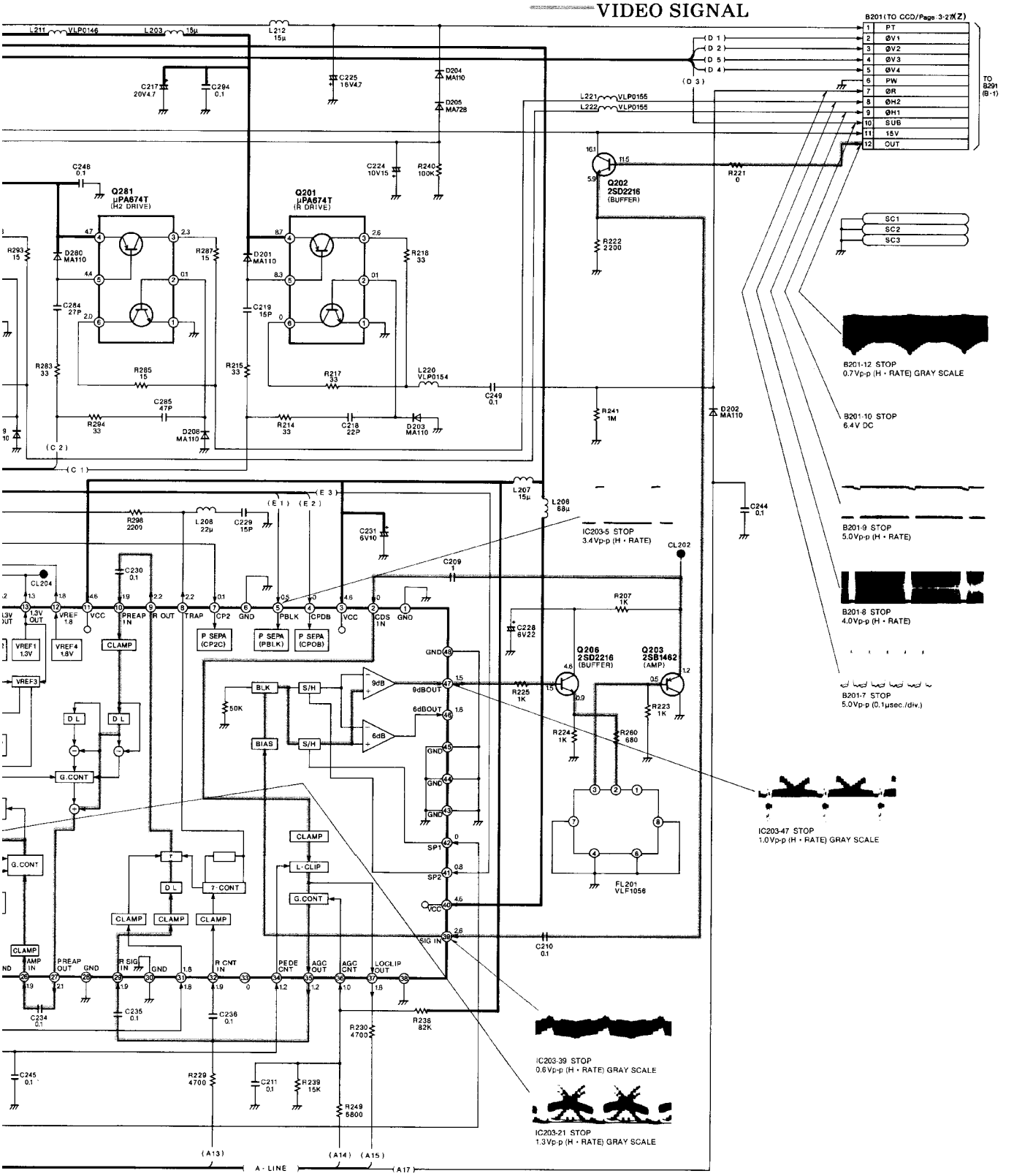




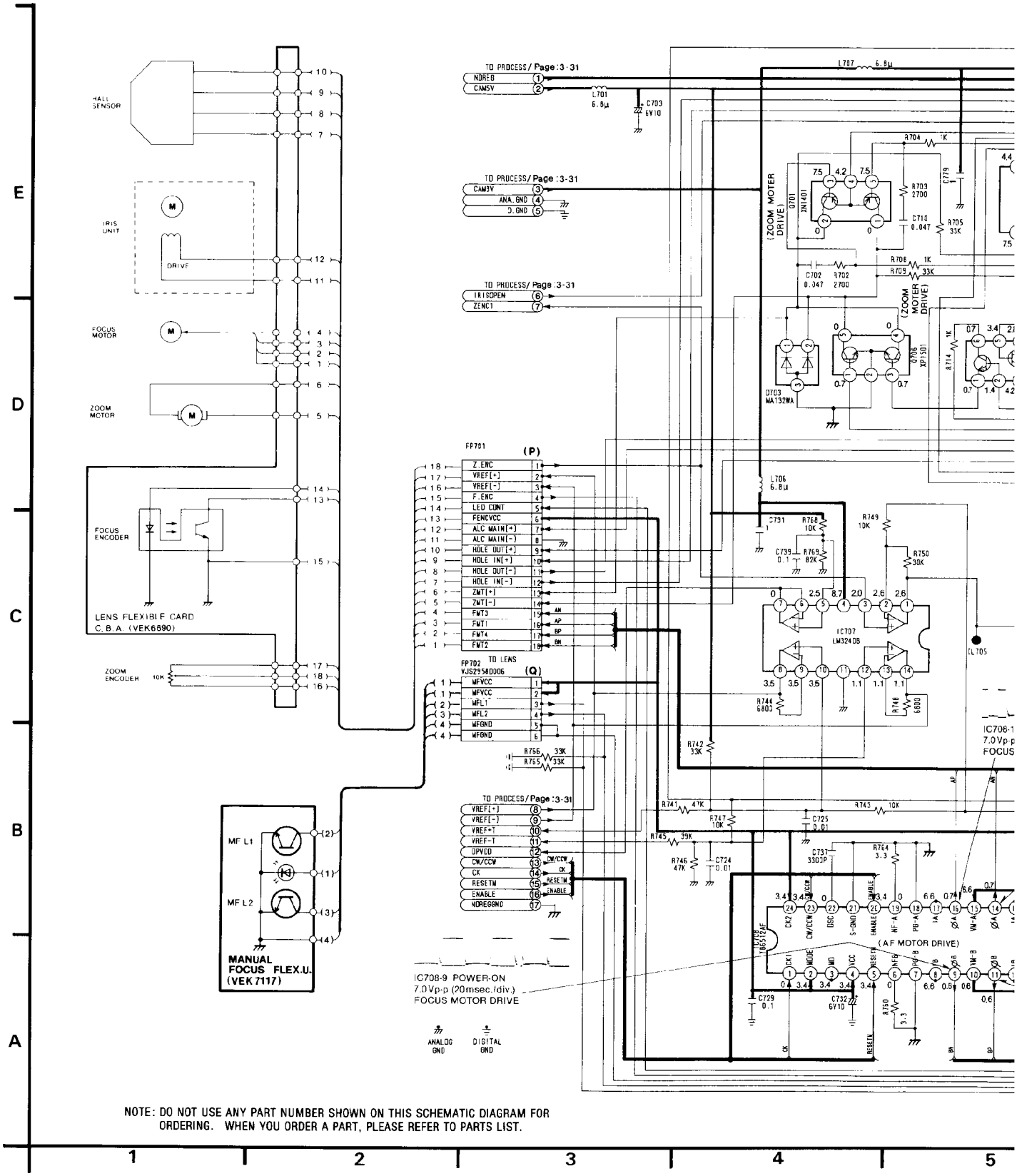
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE LOGARITHMIC GRAY SCALE CHART.

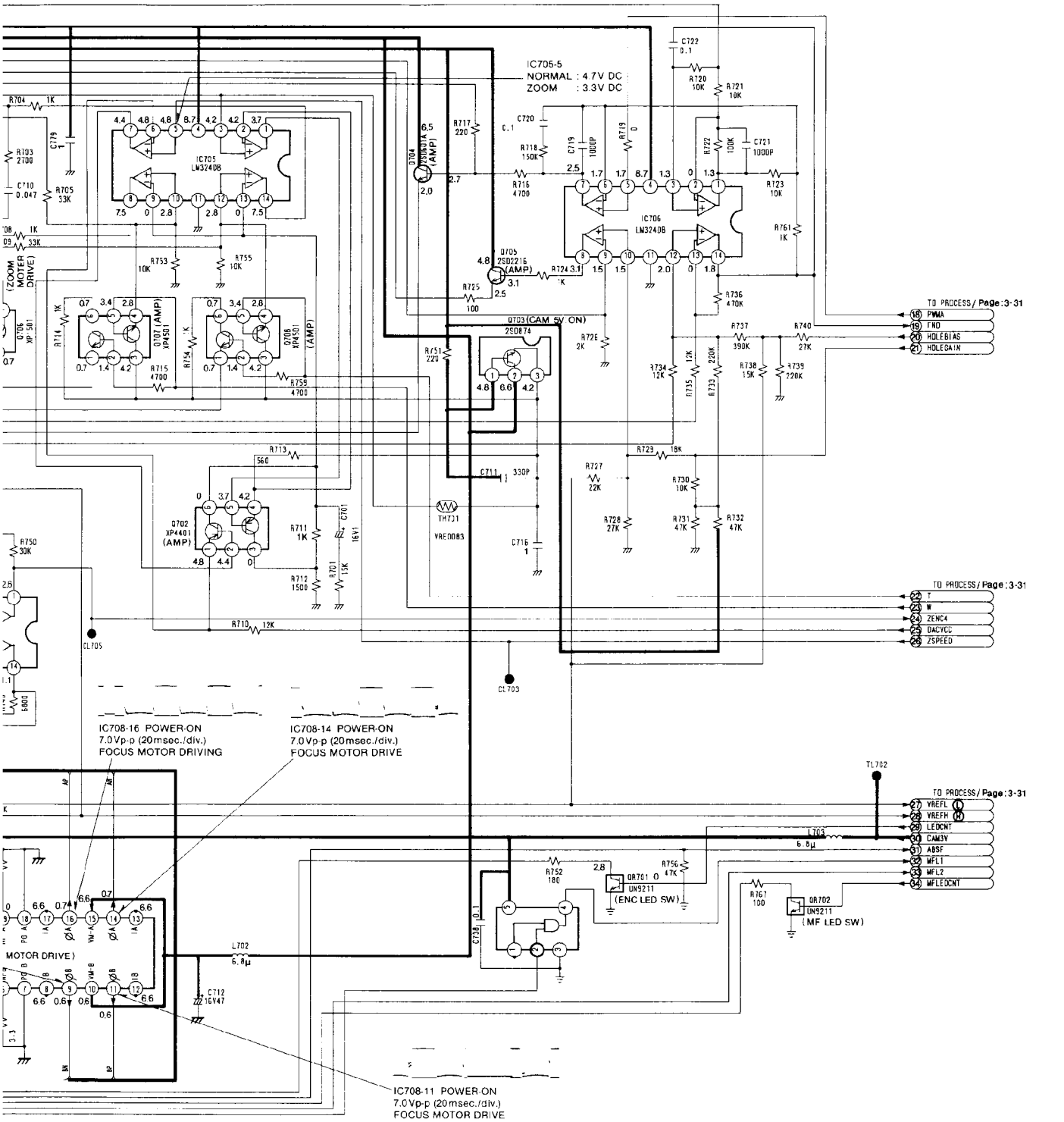

IC201
VEFH40A
IC254
TC7SH08FU
IC255
TC7SH08FU
IC203
MN2038FAQ
Q280
μPA674T
(H1 DRIVE)
Q281
μPA674T
(H2 DRIVE)
Q201
μPA674T
(H DRIVE)
2SD2216
IC201-46 STOP
8.0Vp-p (H・RATE)
IC201-45 STOP
7.0Vp-p (H・RATE)
IC201-41 STOP
7.0Vp-p (H・RATE)
IC201-40 STOP
7.0Vp-p (H・RATE)
IC201-33 STOP
2.8Vp-p (V・RATE)
IC201-32 STOP
2.8Vp-p (H・RATE)
D・LINE
C・LINE
E・LINE
A・LINE
VCC
GND
SUB OUT
BO
BI
VREF1 1.3V
VREF2 3.3V
VREF3
VREF4 1.8V
VREF5 2.8V
CLAMP
BLK
S/H
BIAS
G.CONT
L・CLIP
AGC CNT
LOCLIP OUT
SIG IN

VIDEO SIGNAL



3-19. LENS DRIVE SCHEMATIC DIAGRAM

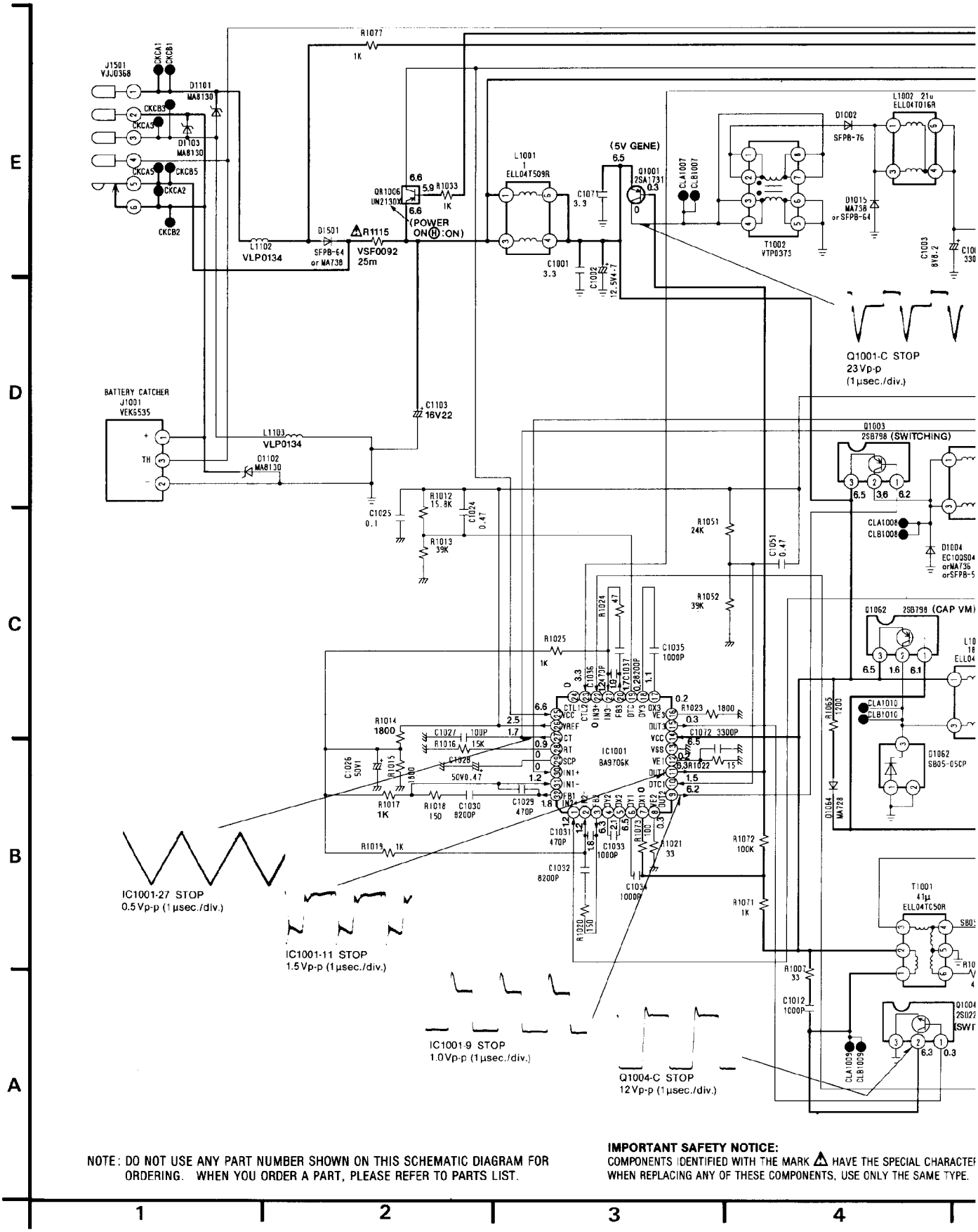




NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE WITH AIM THE CAMERA AT THE LOGARITHMIC GRAY SCALE CHART.

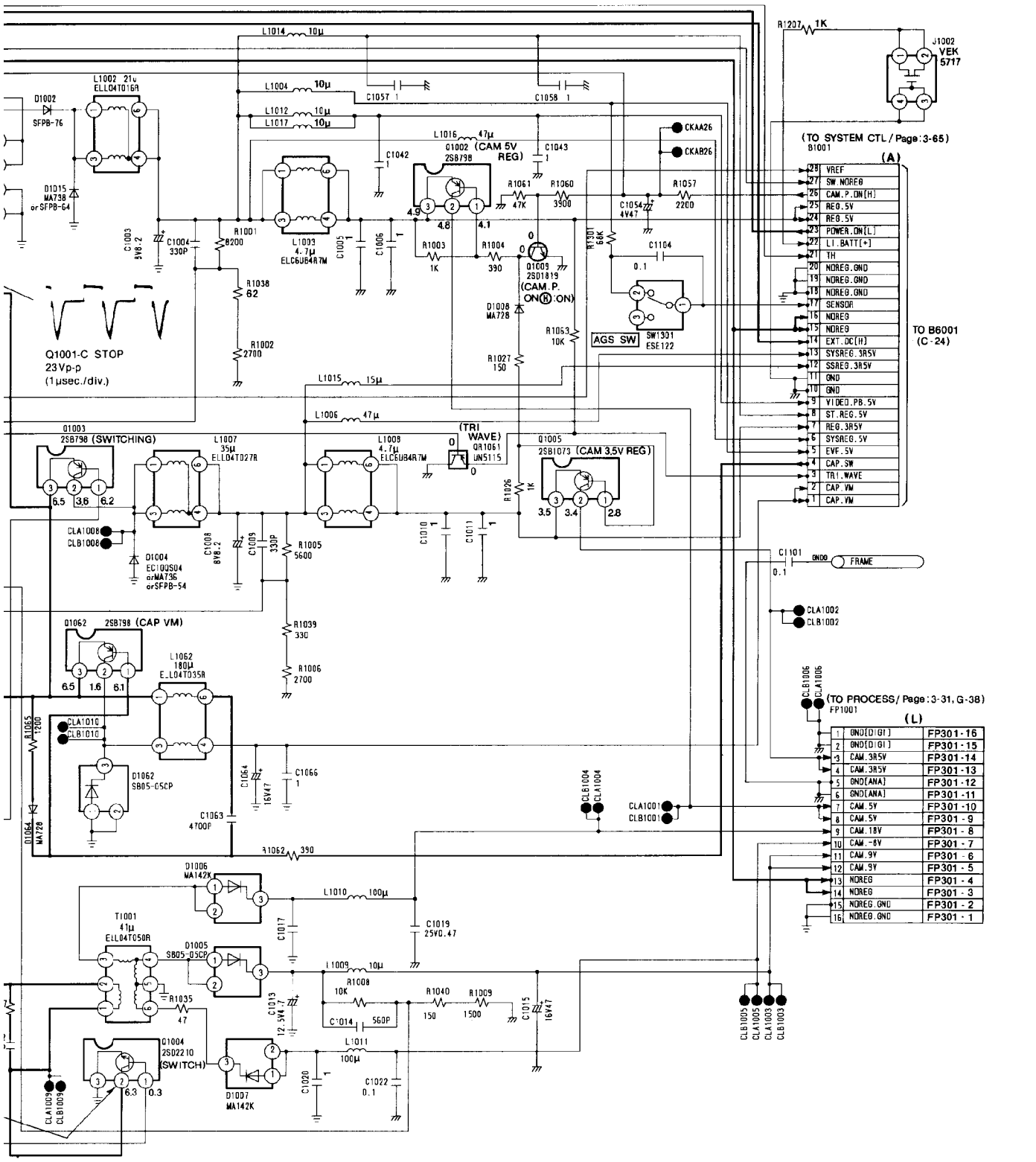
5 | 6 | 7 | 8 | 9

3-22. POWER SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTEI
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

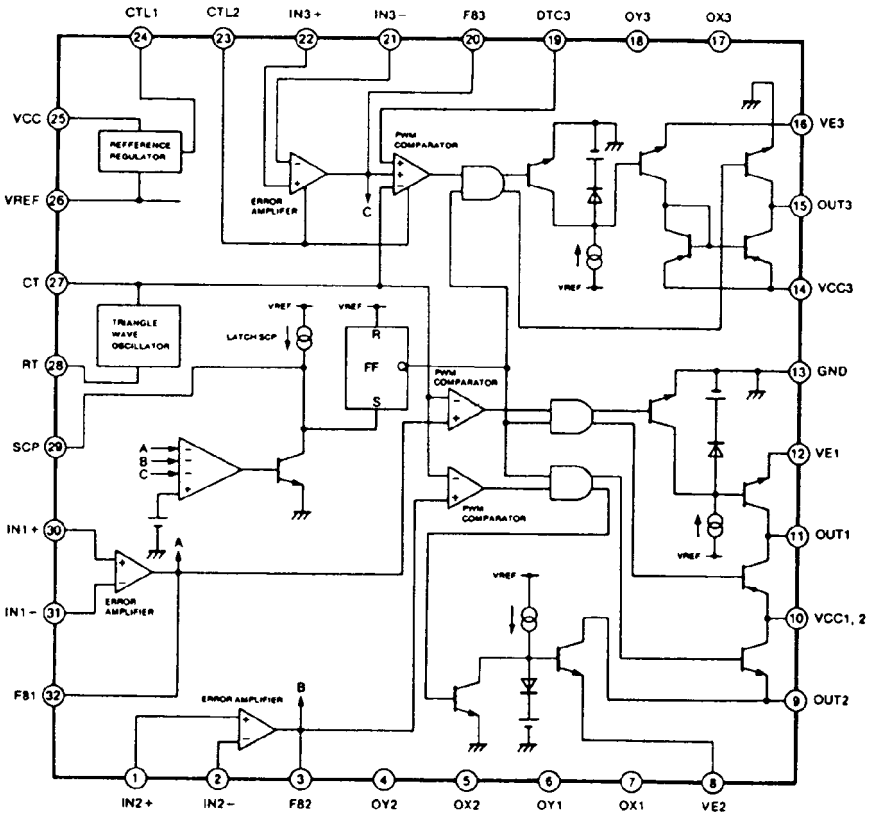


K ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
NENTS, USE ONLY THE SAME TYPE.

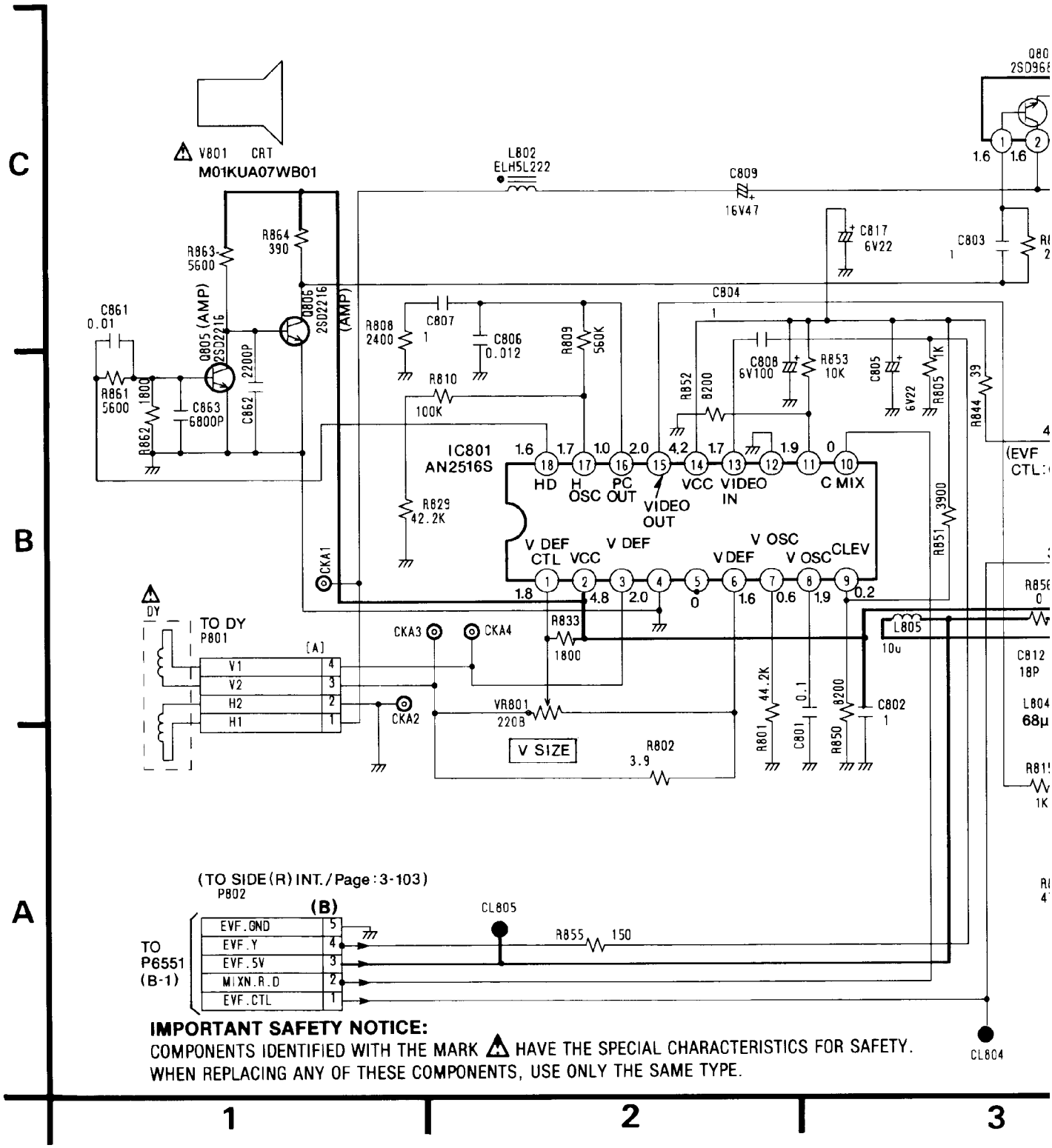
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

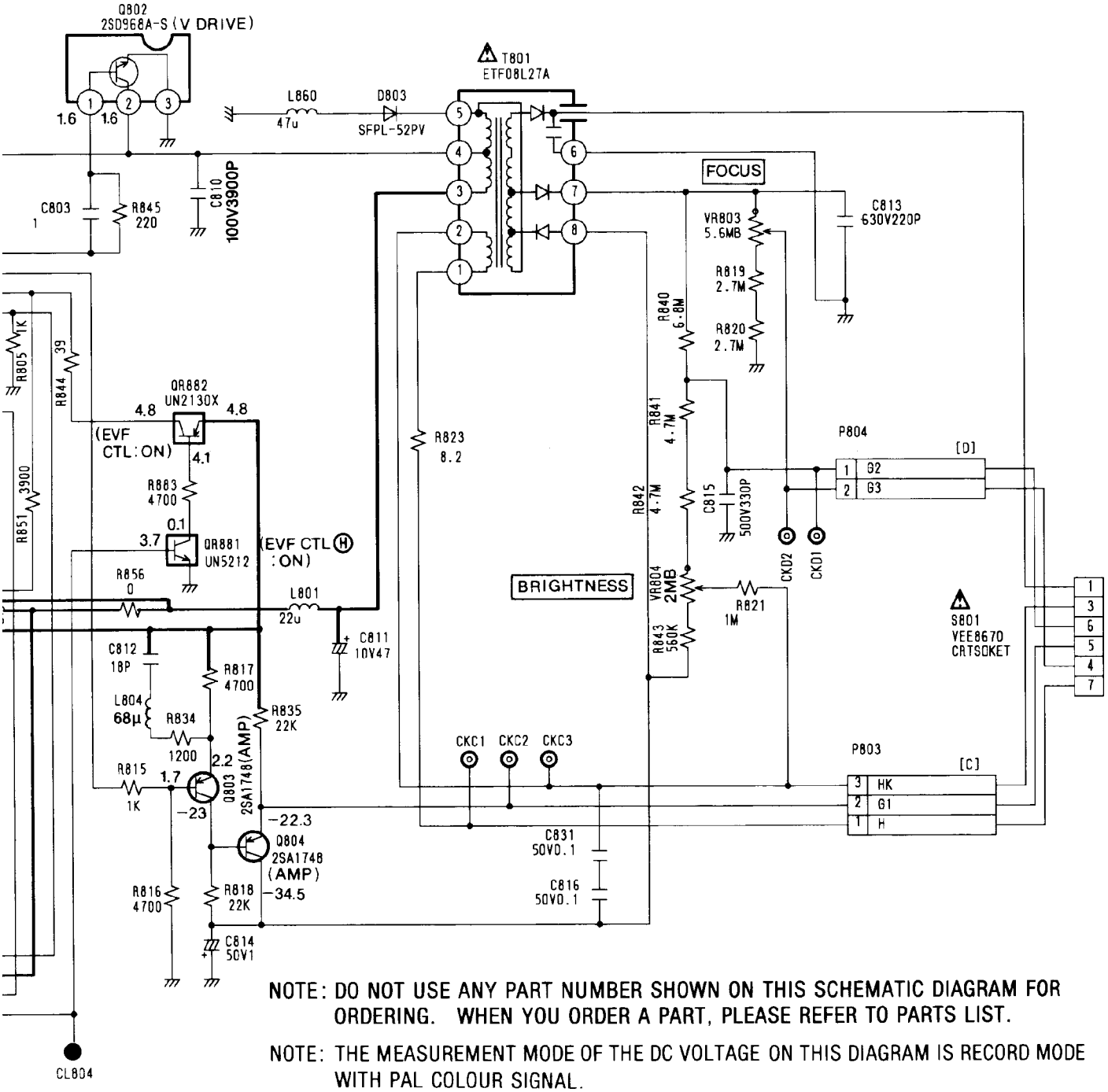
IC BLOCK

IC1001 (BA9706K)



3-24. E.V.F. SCHEMATIC DIAGRAM





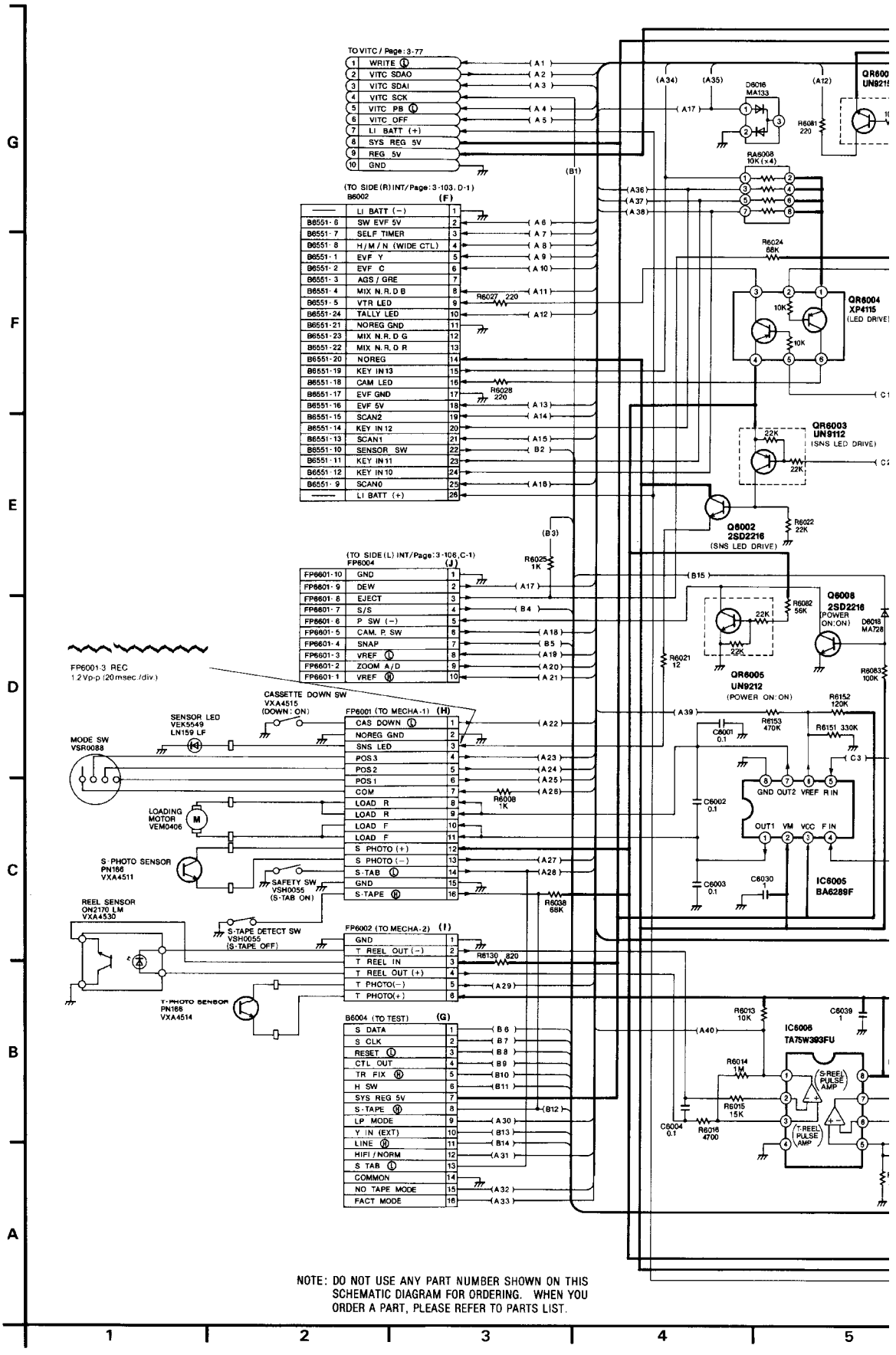
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

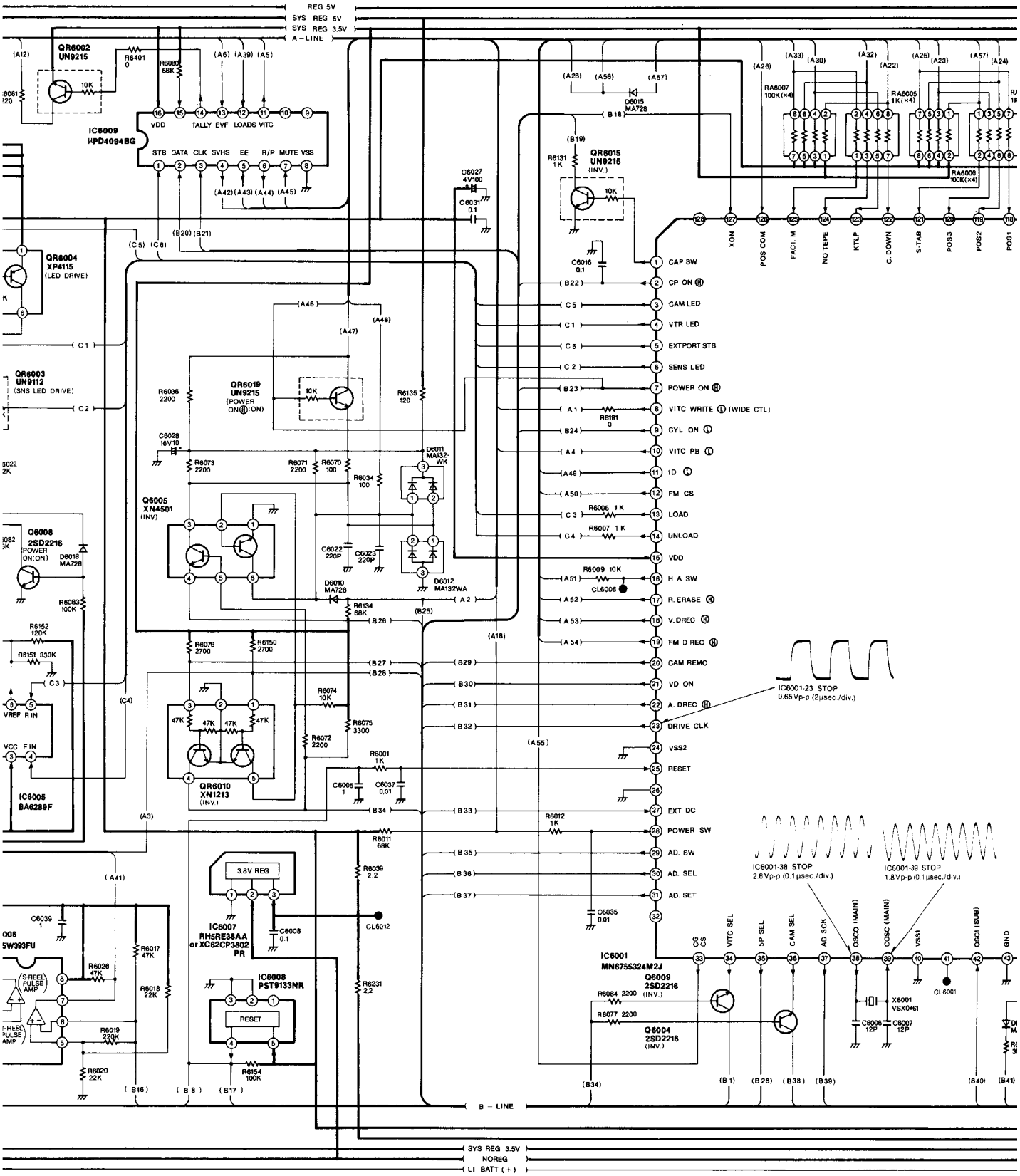
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.

SYSTEM CONTROL & SERVO TRs DC VOLTAGE CHART

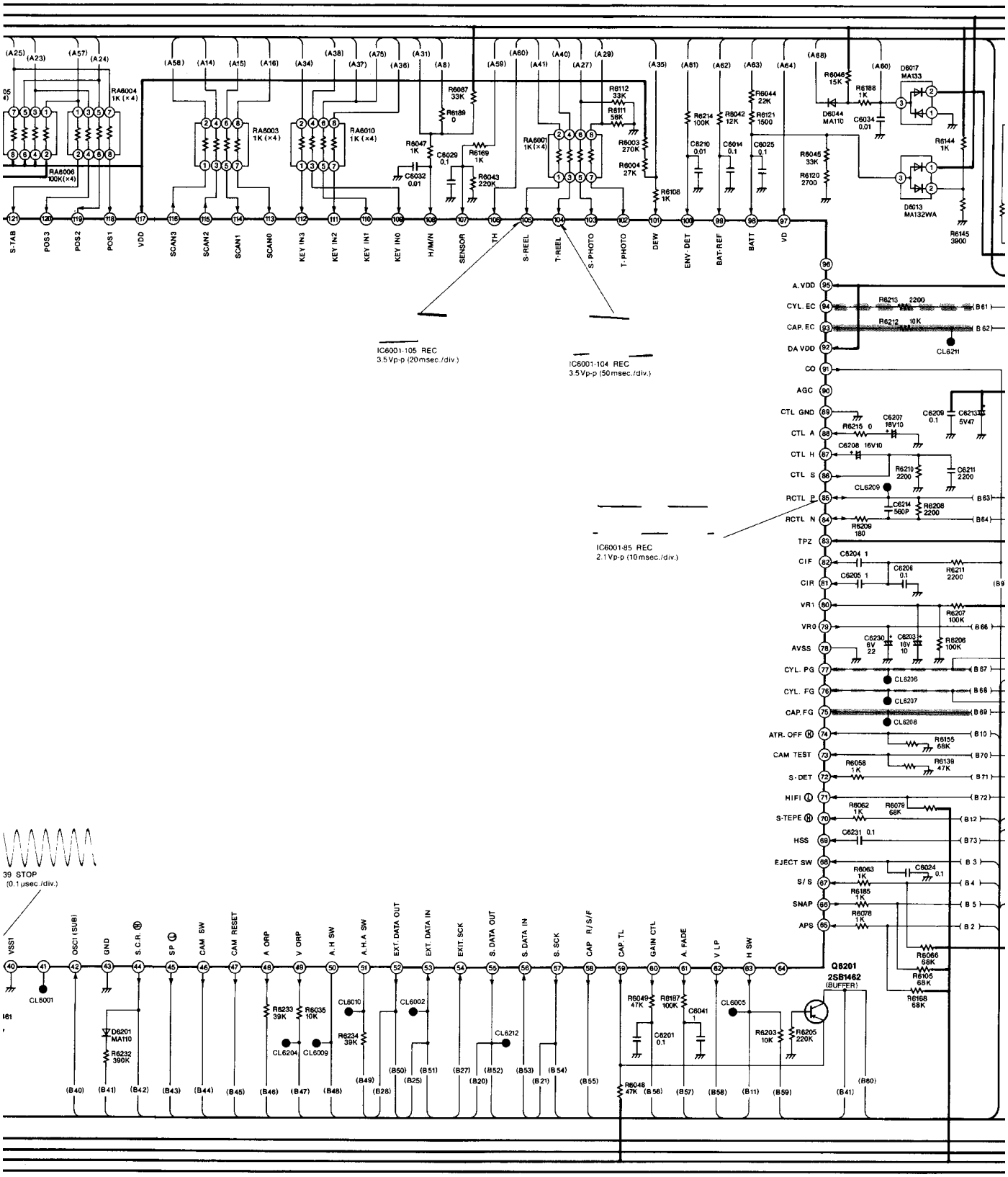
REF. NO.	Q6002			Q6004			Q6005						Q6008			Q6009		
MODE	E	C	B	E	C	B	1	2	3	4	5	6	E	C	B	E	C	B
STOP	0.1	6.6	0	0	3.5	0	4.4	0.1	2.7	4.6	0	0	4.9	0	4.2	3.3	4.1	0
PLAY	0.1	6.6	0	3.7	1.3	0.2	4.4	0§1	2.7	4.6	0	0	4.9	0	4.2	3.3	4.1	0
F.F	0.2	6.4	0.3	0	3.5	0	4.4	0.1	2.7	4.6	0	0	4.8	0	4.2	3.0	4.8	0
REF. NO.	Q6010			Q6011						Q6201								
MODE	E	C	B	1	2	3	4	5		E	C	B						
STOP	5.9	5.0	6.5	5.0	5.9	2.3	1.8	2.5		3.7	3.7	3.1						
PLAY	5.7	4.8	6.3	4.8	5.5	2.3	1.8	2.4		3.7	3.7	3.1						
F.F	5.8	5.0	6.4	5.0	5.7	2.3	1.8	2.5		3.7	3.7	3.1						
REF. NO.	QR6001			QR6003			QR6004						QR6005			QR6007		
MODE	E	C	B	E	C	B	1	2	3	4	5	6	E	C	B	E	C	B
STOP	4.9	4.9	4.2	3.5	0	3.7	0	0	3.5	3.4	3.7	3.7	0	0	1.4	0	0	3.7
PLAY	4.9	4.9	4.2	3.5	0	3.7	0	0	3.5	3.4	3.7	3.7	0	0.1	1.4	0	0	3.7
F.F	4.9	4.9	4.2	3.5	0.2	3.3	0	0	3.5	3.4	3.7	3.7	0	0	1.4	0	0	3.7
REF. NO.	QR6008			QR6010						QR6012						QR6014		
MODE	E	C	B	1	2	3	4	5		1	2	3	4	5		E	C	B
STOP	0	3.4	0	0.1	0	0	0	3.0		1.6	1.6	0	0	0		0	0	5.5
PLAY	0	3.5	0	0.2	0	3.1	0	3.0		1.5	1.6	0	0	0		0	0	5.5
F.F	0	3.4	0	0.1	0	3.1	0	3.0		1.6	1.6	0	0	0		0	0	0
REF. NO.	QR6015			QR6016						QR6017			QR6018			QR6019		
MODE	E	C	B	1	2	3	4	5		E	C	B	E	C	B	E	C	B
STOP	0	6.5	0	0	0	0	0	0		0	5.0	0	0	1.2	0.6	4.7	4.6	3.7
PLAY	0	5.8	0	0	3.4	0	0	3.7		0	5.0	0.1	0	0.2	0.6	4.8	4.8	3.7
F.F	0	5.2	0	0	3.7	0	0	3.7		0	5.0	0	0	0	0.6	4.7	4.7	3.7
REF. NO.	QR6020						QR6022						QR6023			QR6024		
MODE	1	2	3	4	5		1	2	3	4	5	6	E	C	B	E	C	B
STOP	3.5	3.3	0	0	0		4.7	5.0	0	0	0	0	5.0	5.0	4.3	0	0	5.0
PLAY	0	3.2	0	0	3.7		4.7	4.9	0	0	0	0	4.8	4.7	4.1	0	0	4.9
F.F	3.5	3.2	0	0	0		4.7	4.9	0	0	0	0	5.0	5.0	4.3	0	0	4.9
REF. NO.	QR6025																	
MODE	E	C	B															
STOP	3.8	0.3	3.4															
PLAY	3.8	0.3	3.4															
F.F	3.8	0.3	3.4															

3-25. SYSTEM CONTROL & SERVO SCHEMATIC DIAGRAM

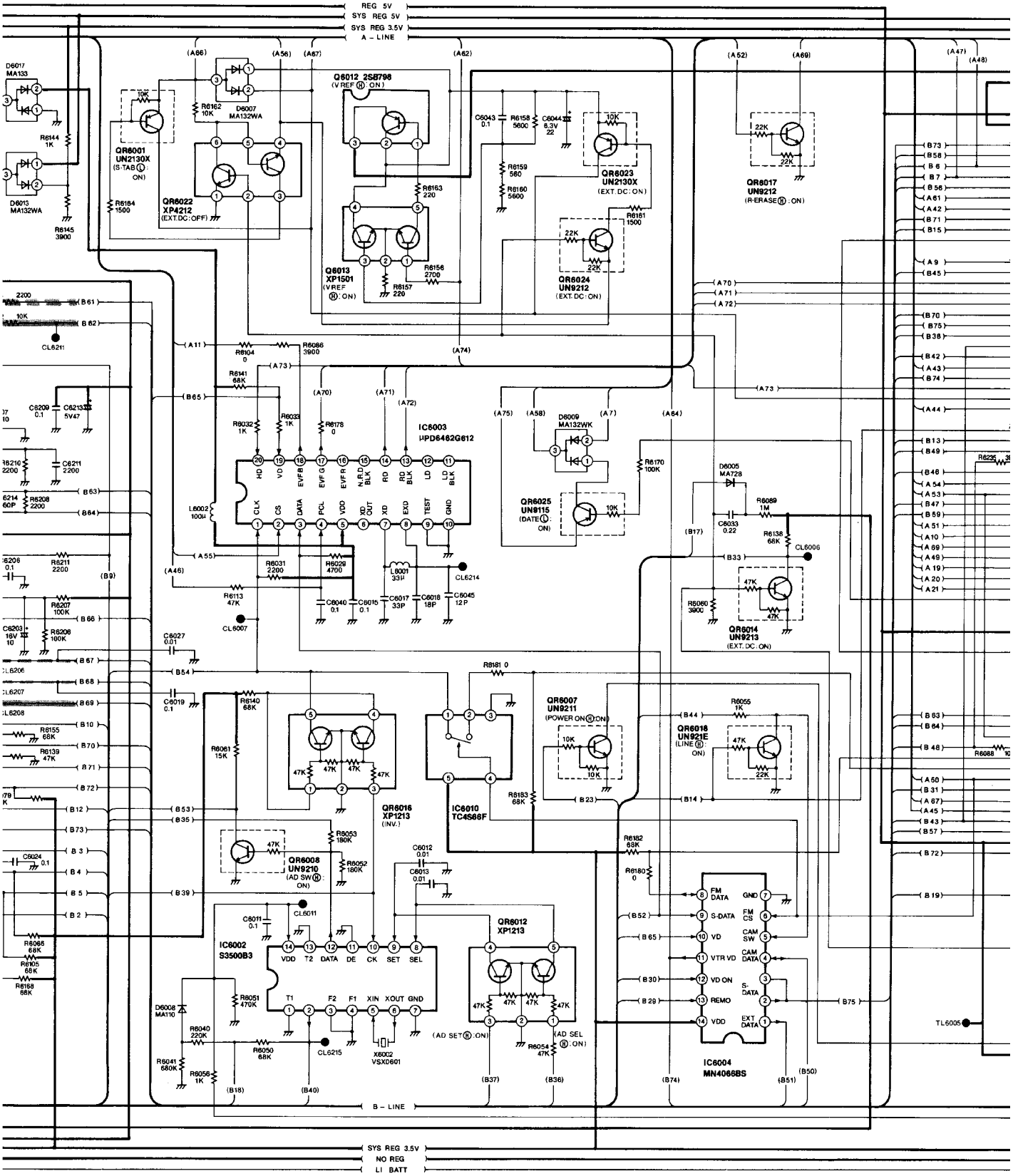



REG 5V
SYS REG 5V
SYS REG 3.5V
A – LINE
QR6002 UN9215
IC6009 μPD4094BG
STB DATA CLK SVHS EE R/P MUTE VSS
VDD TALLY EVF LOADS VITC
QR6004 XP4115 (LED DRIVE)
QR6003 UN9112 (SNS LED DRIVE)
QR6019 UN9215 (POWER ON:H ON)
Q6005 XN4501 (INV)
Q6008 2SD2216 (POWER ON:ON)
QR6010 XN1213 (INV)
IC6005 BA6289F
IC6007 RH5RE38AA or XC62CP3802 PR
IC6008 PST9133NR
3.8V REG
RESET
QR6015 UN9215 (INV.)
CAP SW
CP ON H
CAM LED
VTR LED
EXTPORT STB
SENS LED
POWER ON H
VITC WRITE L (WIDE CTL)
CYL ON L
VITC PB L
ID L
FM CS
LOAD
UNLOAD
VDD
H A SW
R. ERASE H
V. DREC H
FM D REC H
CAM REMO
VD ON
A. DREC H
DRIVE CLK
VSS2
RESET
EXT DC
POWER SW
AD. SW
AD. SEL
AD. SET
IC6001 MN6755324M2J
Q6009 2SD2216 (INV.)
Q6004 2SD2216 (INV.)
IC6001-23 STOP 0.65Vp-p (2μsec./div.)
IC6001-38 STOP 2.6Vp-p (0.1μsec./div.)
IC6001-39 STOP 1.8Vp-p (0.1μsec./div.)
B – LINE
SYS REG 3.5V
NOREG
LI BATT (+)

CAPSTAN SERVO SPEED LOOP

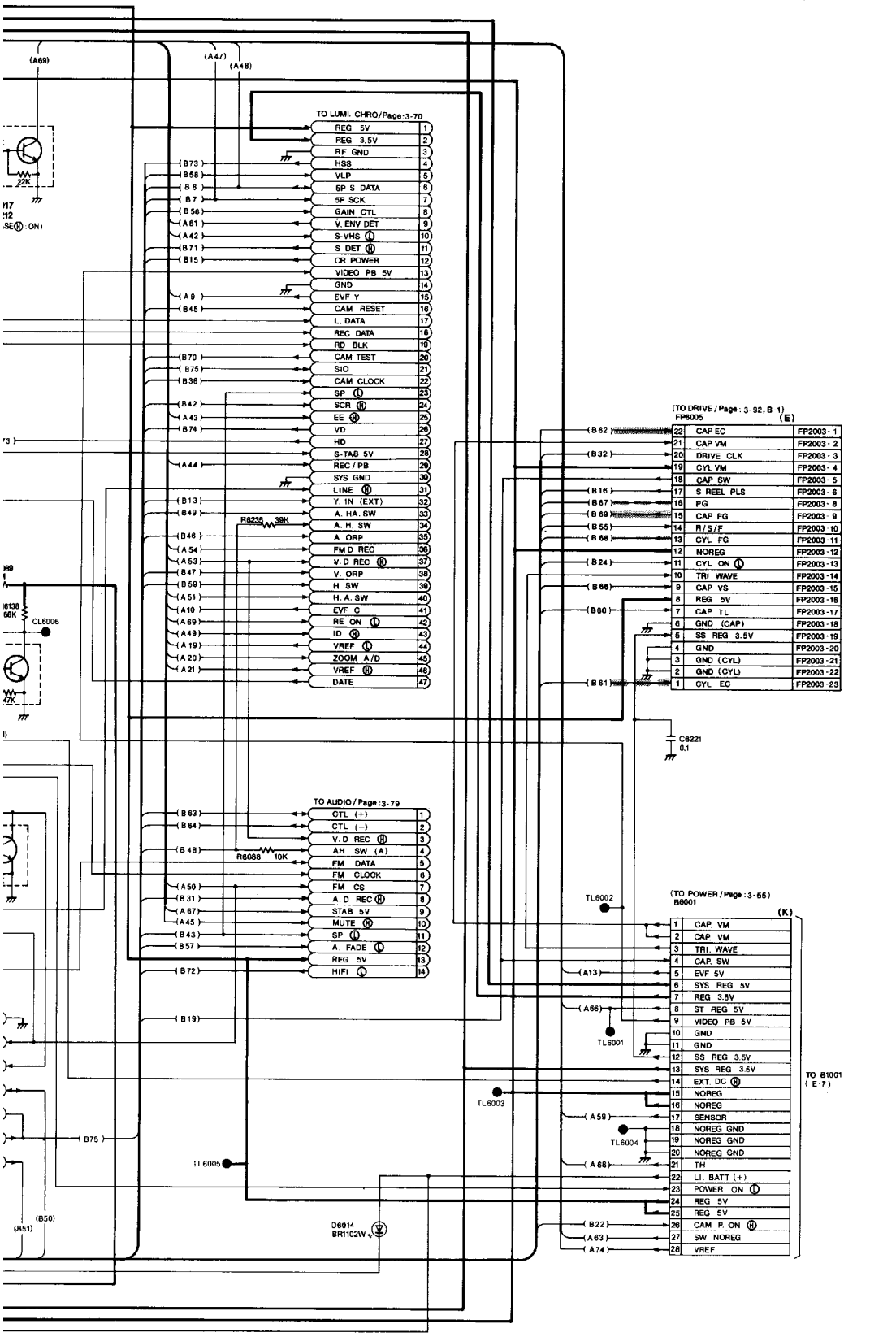


LOOP — CAPSTAN SERVO PHASE LOOP — CYLINDER SERVO SPEED LOOP



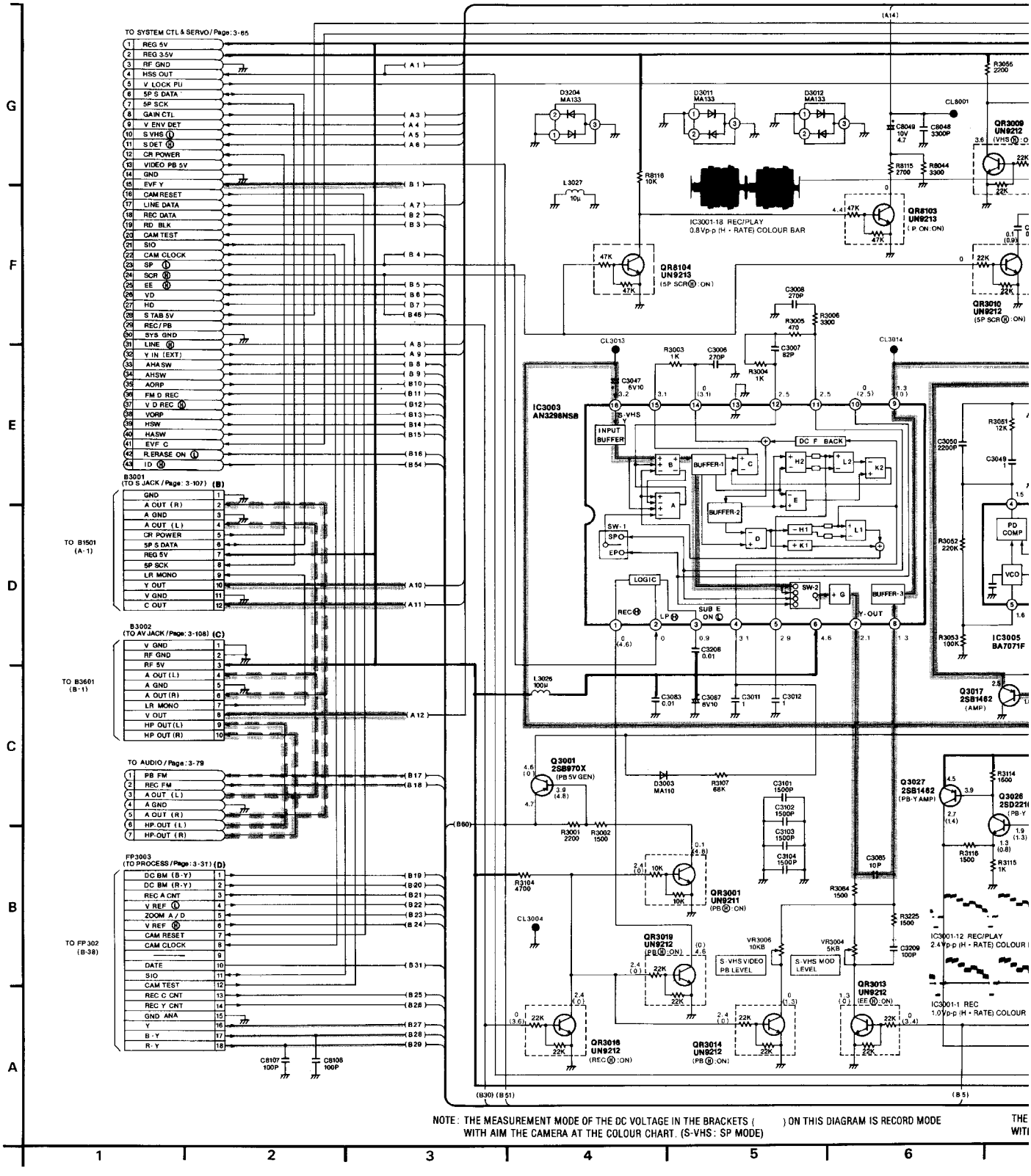
16 | 17 | 18 | 19 | 20 | 21

ER SERVO SPEED LOOP — — — CYLINDER SERVO PHASE LOOP



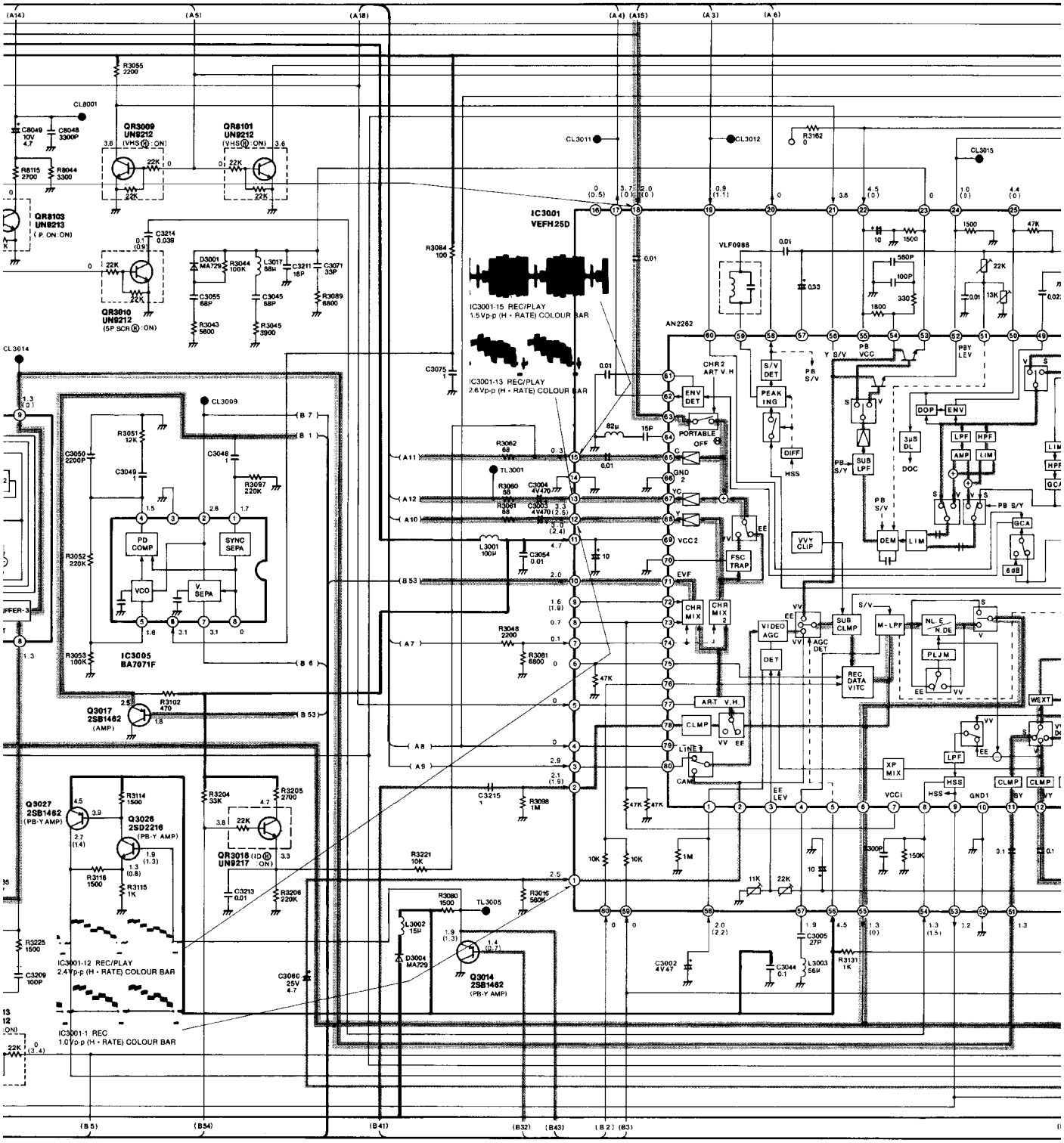
20 | 21 | 22 | 23 | 24

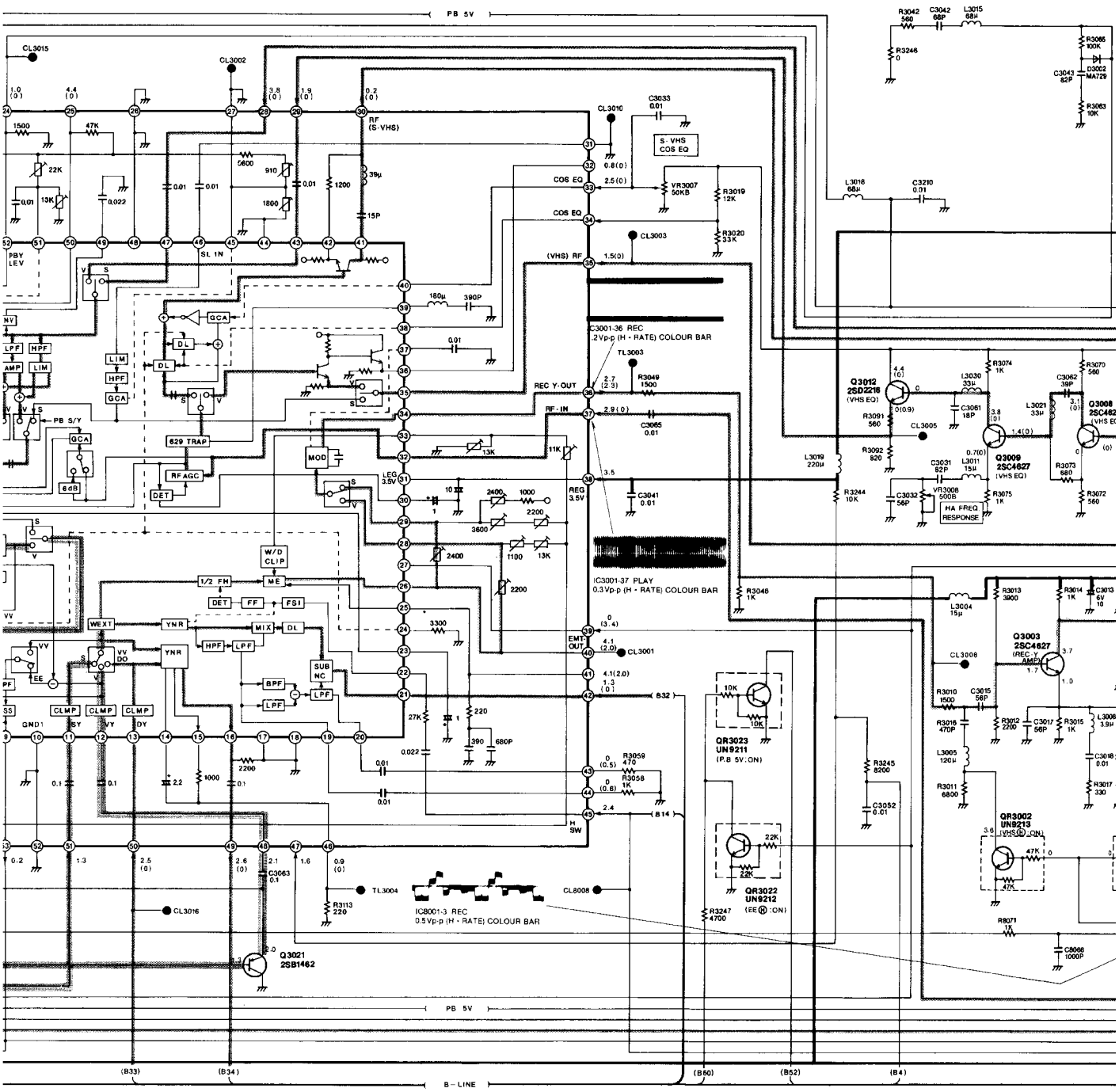
3-26. LUMINANCE/CHROMINANCE & HEAD AMP SCHEMATIC DIAGRAM



DIAGRAM

LUMI/CHRO & HEAD AMP Section

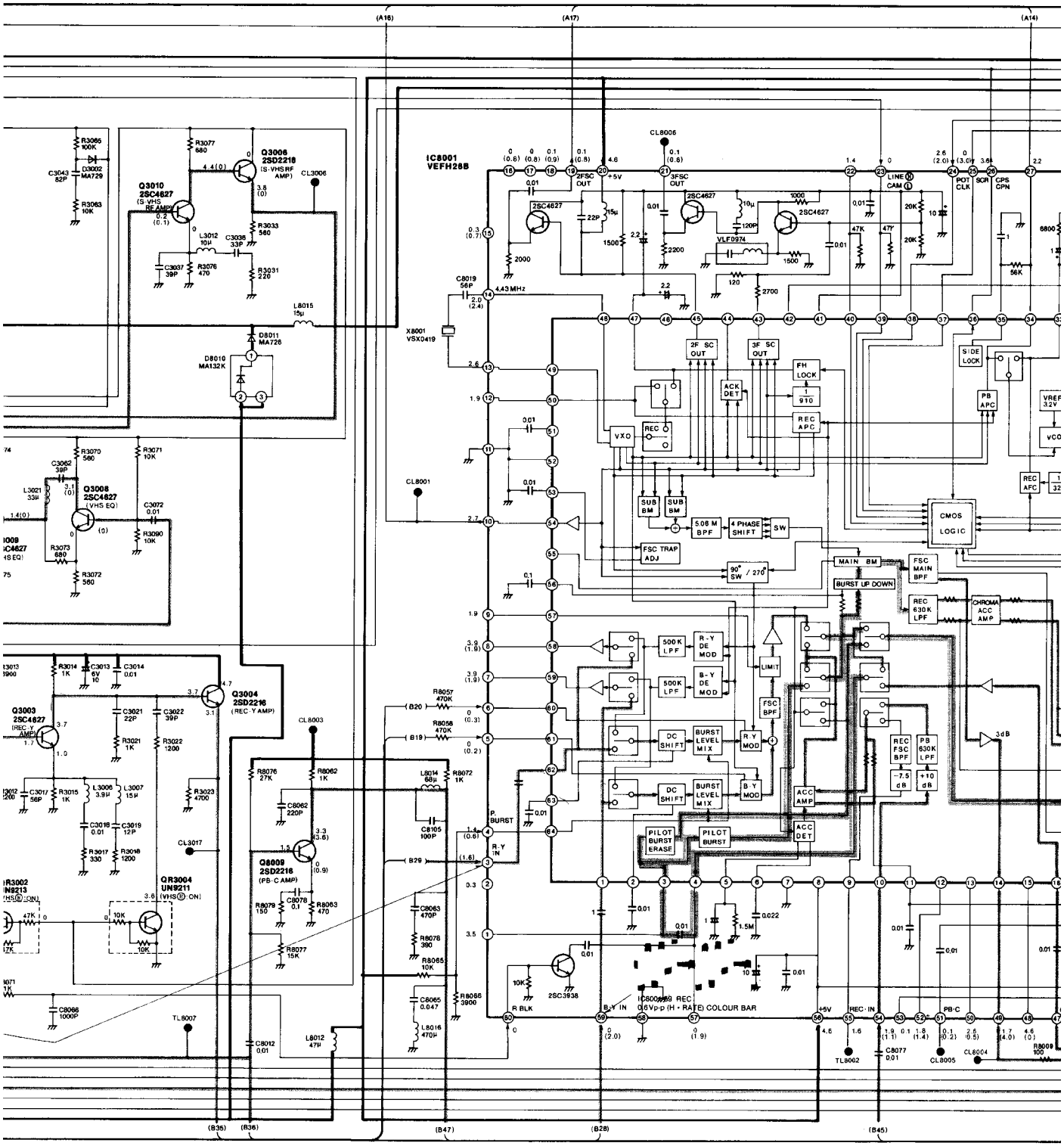




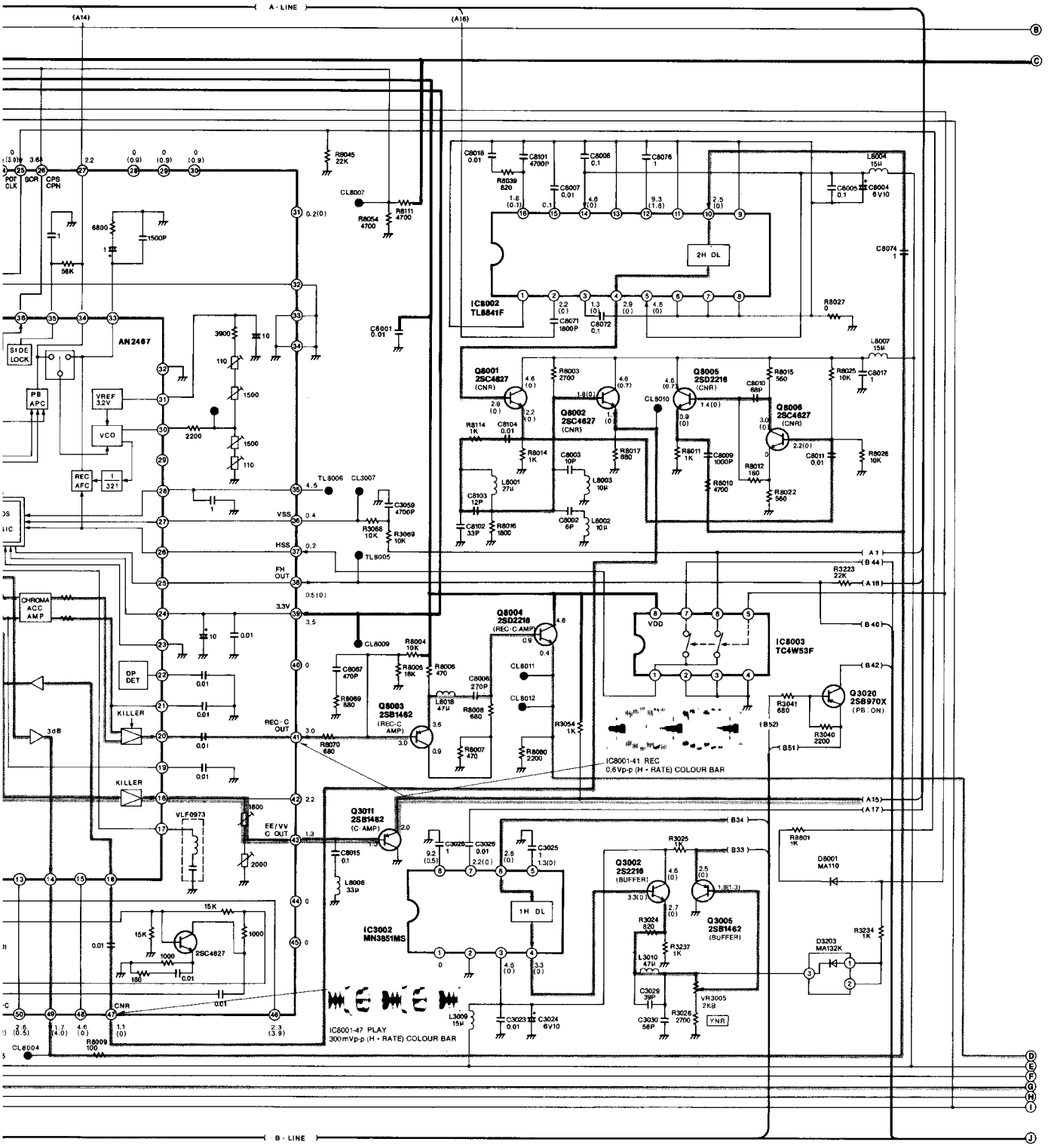
NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR
U ORDER A PART, PLEASE REFER TO PARTS LIST.

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

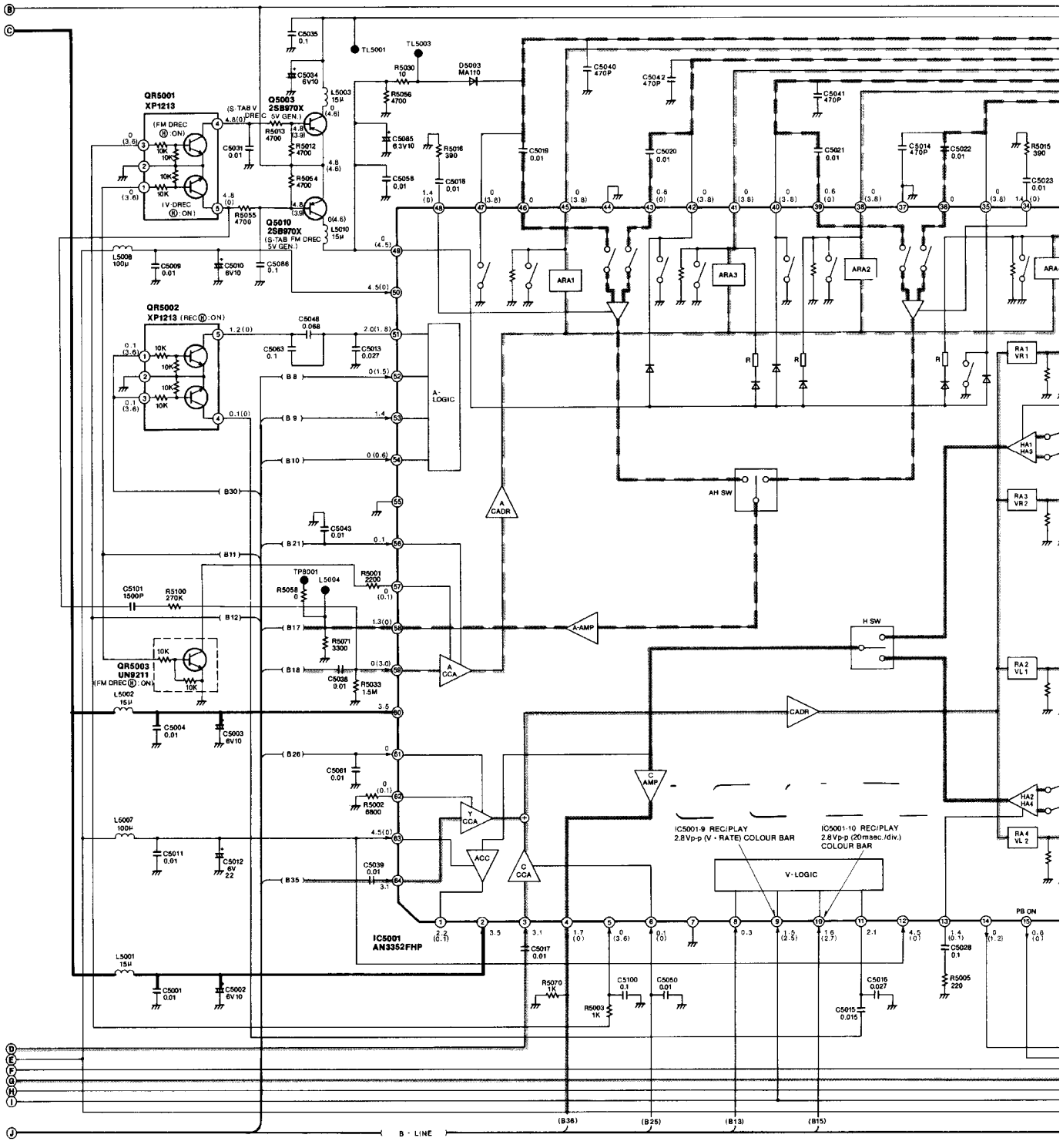
AUDIO MAIN SIGNAL PATH

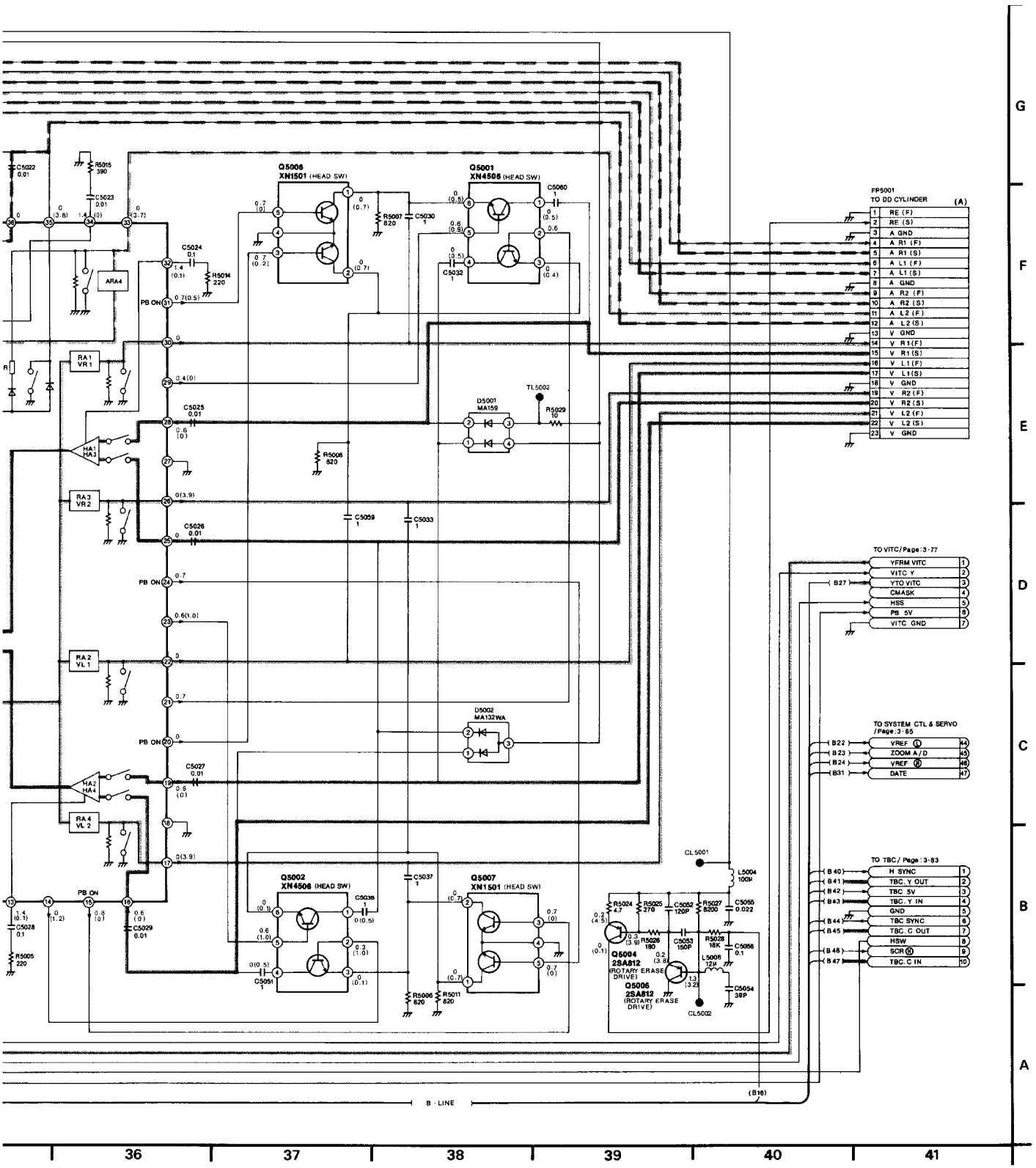


NAL PATH IN REC MODE — — — AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

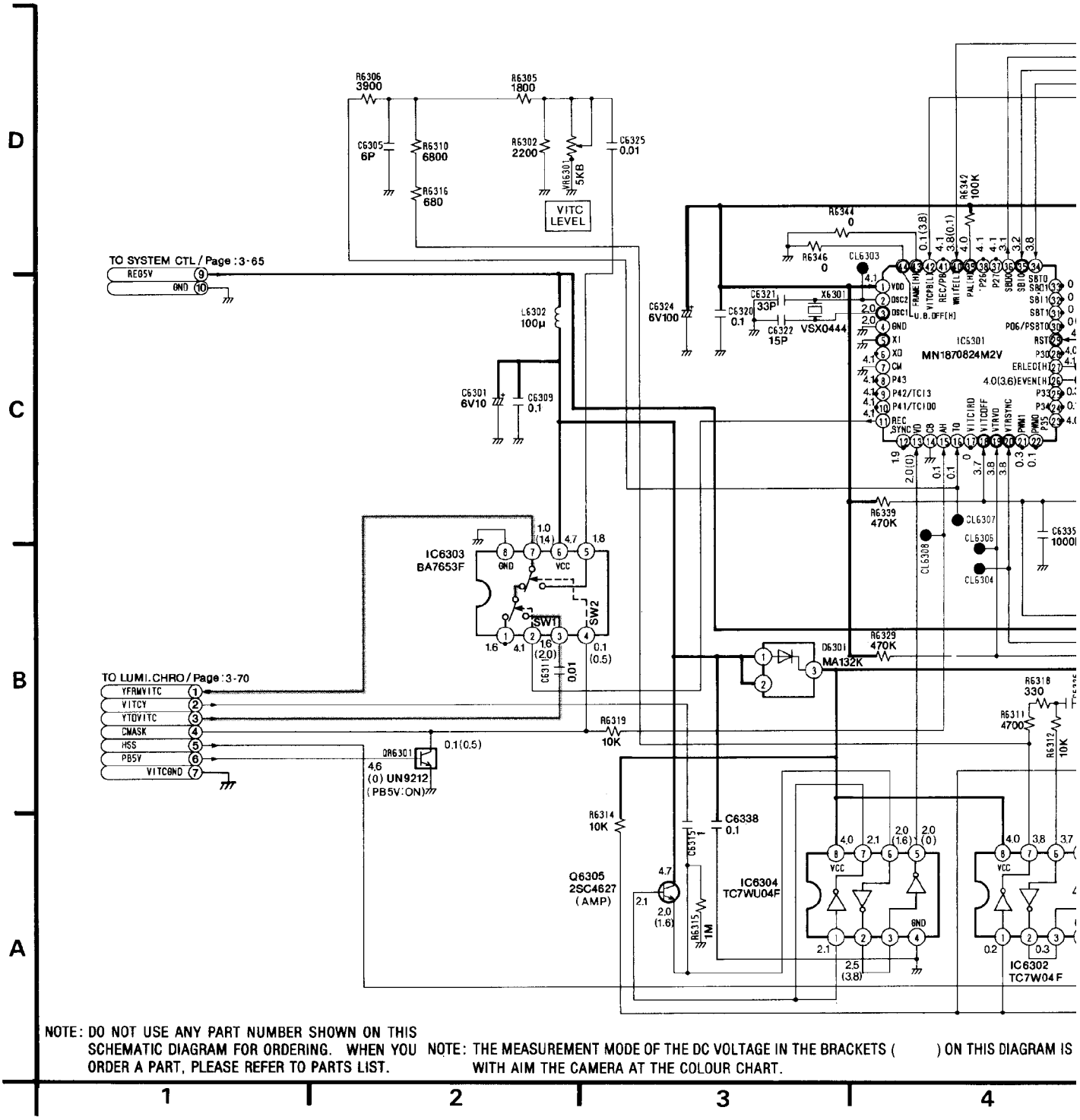


24 25 26 27 28 29

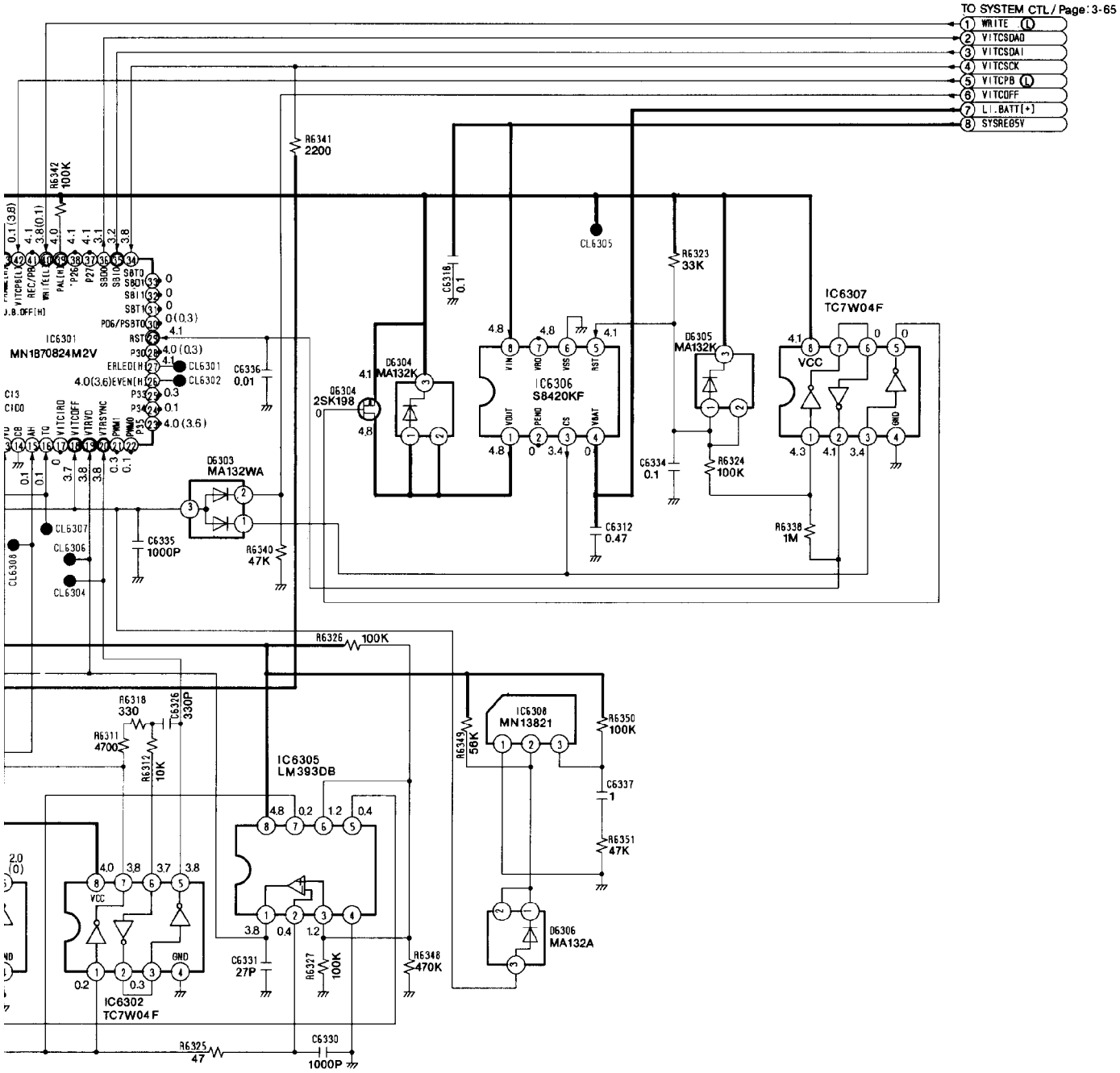

QR5001
XP1213
(FM DREC Ⓡ:ON)
(S.TAB V DREC 5V GEN.)
Q5003
2SB970X
Q5010
2SB970X
(S.TAB FM DREC 5V GEN.)
QR5002
XP1213 (REC Ⓡ:ON)
QR5003
UN9211
(FM DREC Ⓡ:ON)
IC5001
AN3352FHP
A-LOGIC
A CADR
A-AMP
A CCA
C CADR
C AMP
V CCA
ACC
C CCA
V-LOGIC
H SW
AH SW
ARA1
ARA2
ARA3
IC5001-9 REC/PLAY
2.8Vp-p (V・RATE) COLOUR BAR
IC5001-10 REC/PLAY
2.8Vp-p (20msec./div.)
COLOUR BAR
PB ON
B・LINE
(B36)
(B25)
(B13)
(B15)
30
31
32
33
34
35


Q5006
XN1501 (HEAD SW)
Q5001
XN4506 (HEAD SW)
Q5002
XN4506 (HEAD SW)
Q5007
XN1501 (HEAD SW)
Q5004
2SA812
(ROTARY ERASE DRIVE)
Q5005
2SA812
(ROTARY ERASE DRIVE)
D5001
MA159
D5002
MA132WA
TL5002
CL5001
CL5002
FP5001
TO DD CYLINDER
(A)
RE (F)
RE (S)
A GND
A R1 (F)
A R1 (S)
A L1 (F)
A L1 (S)
A GND
A R2 (F)
A R2 (S)
A L2 (F)
A L2 (S)
V GND
V R1(F)
V R1 (S)
V L1 (F)
V L1(S)
V GND
V R2 (F)
V R2 (S)
V L2 (F)
V L2 (S)
V GND
TO VITC/Page:3-77
YFRM VITC
VITC Y
YTO VITC
CMASK
HSS
PB 5V
VITC GND
TO SYSTEM CTL & SERVO
/Page:3-65
VREF (L)
ZOOM A/D
VREF (R)
DATE
TO TBC/Page:3-83
H SYNC
TBC Y OUT
TBC 5V
TBC Y IN
GND
TBC SYNC
TBC C OUT
HSW
SCR (H)
TBC C IN
RA1 VR1
RA3 VR2
RA2 VL1
RA4 VL2
HA1 HA3
HA2 HA4
ARA4
PB ON
B-LINE
G
F
E
D
C
B
A
36
37
38
39
40
41

3-27. VITC SCHEMATIC DIAGRAM



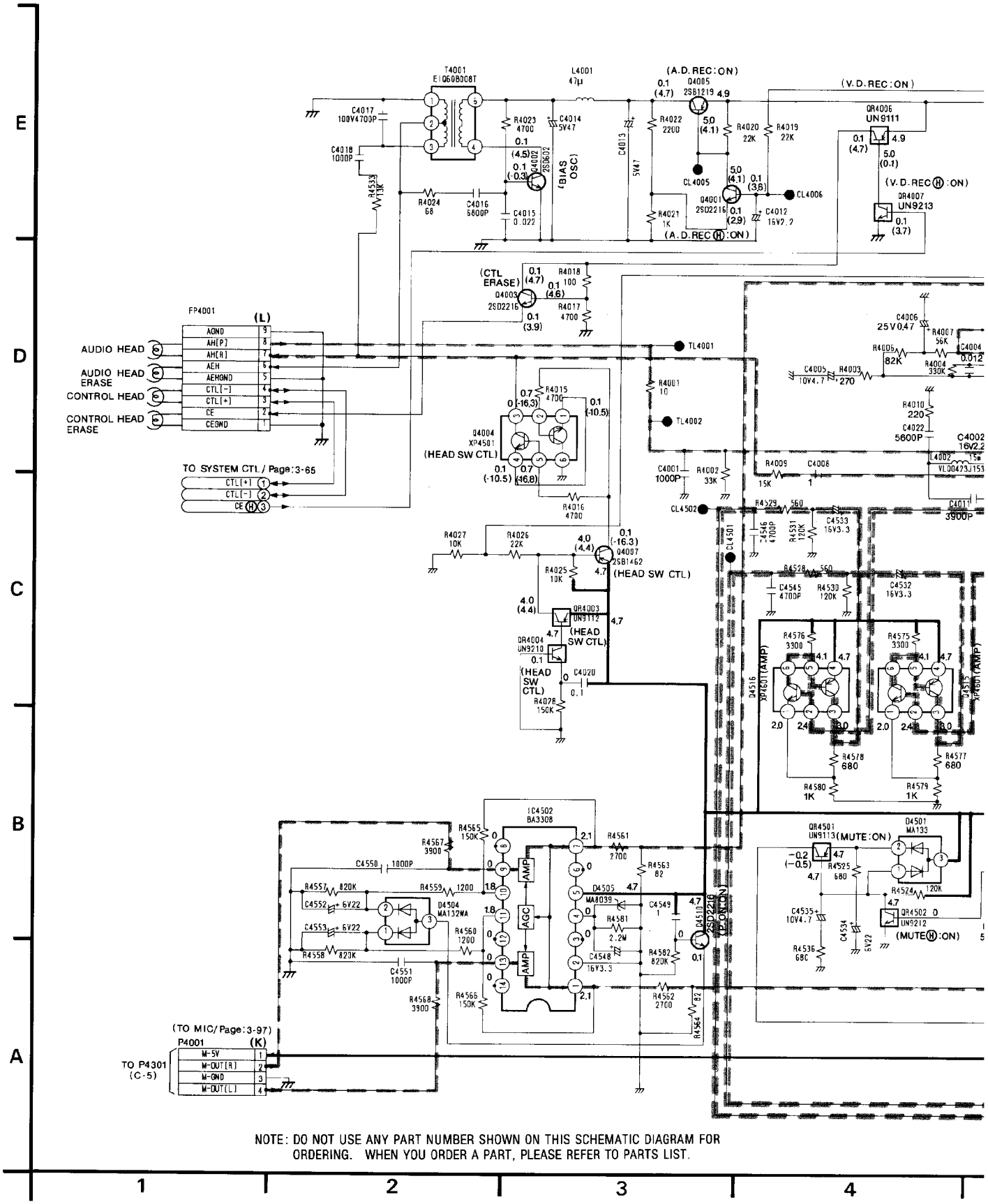
MAIN SIGNAL PATH



) ON THIS DIAGRAM IS RECORD MODE (S-VHS)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

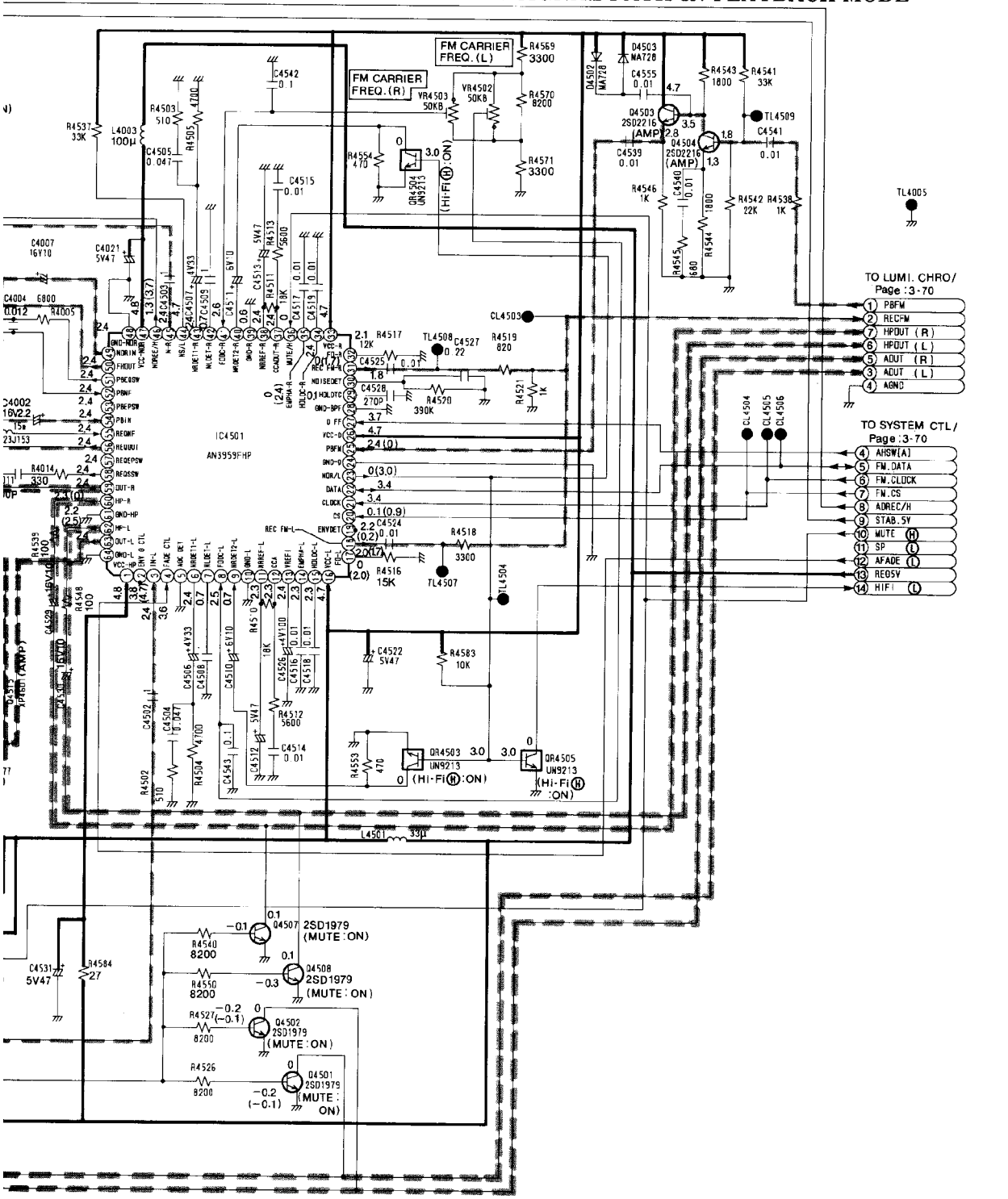
3-28. AUDIO SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PLAYBACK MODE

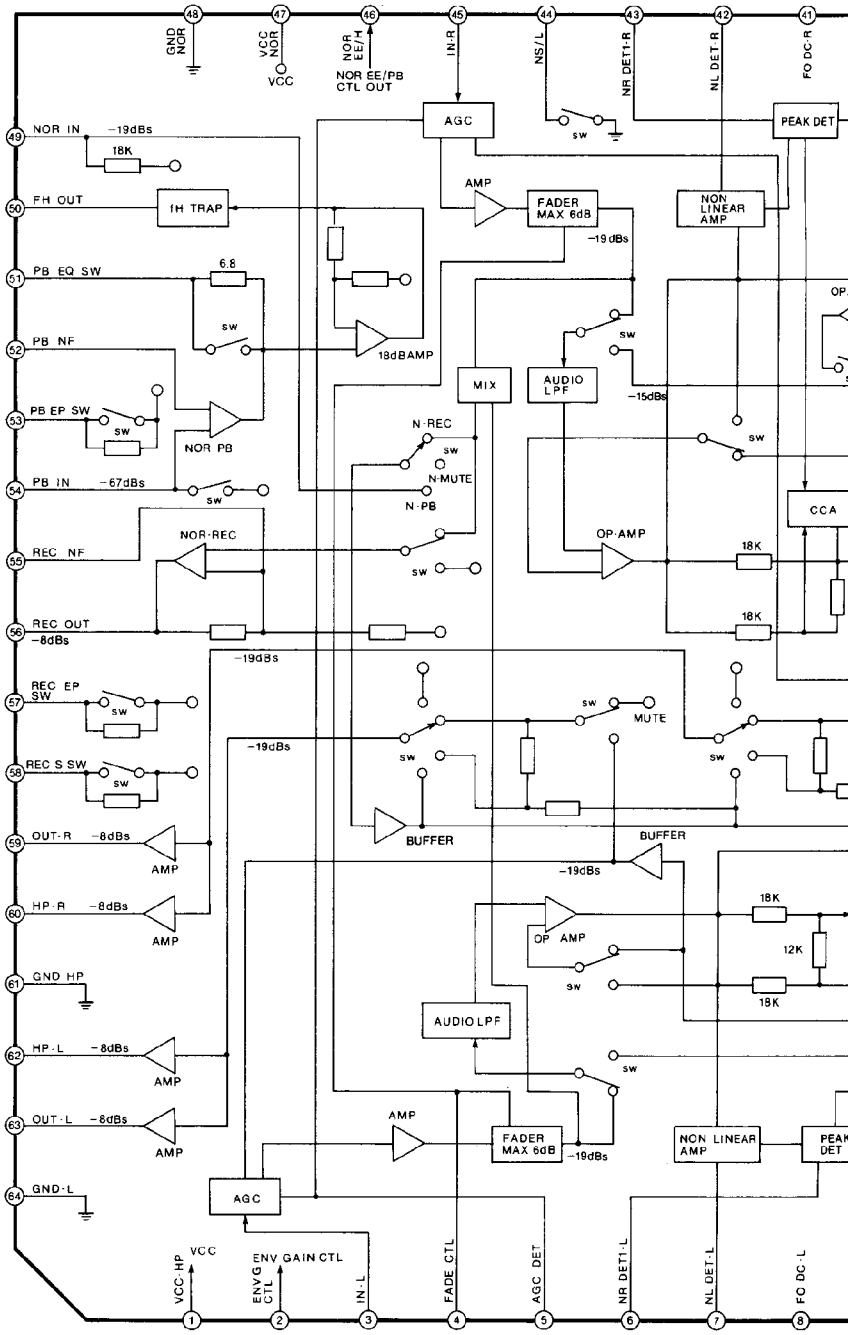


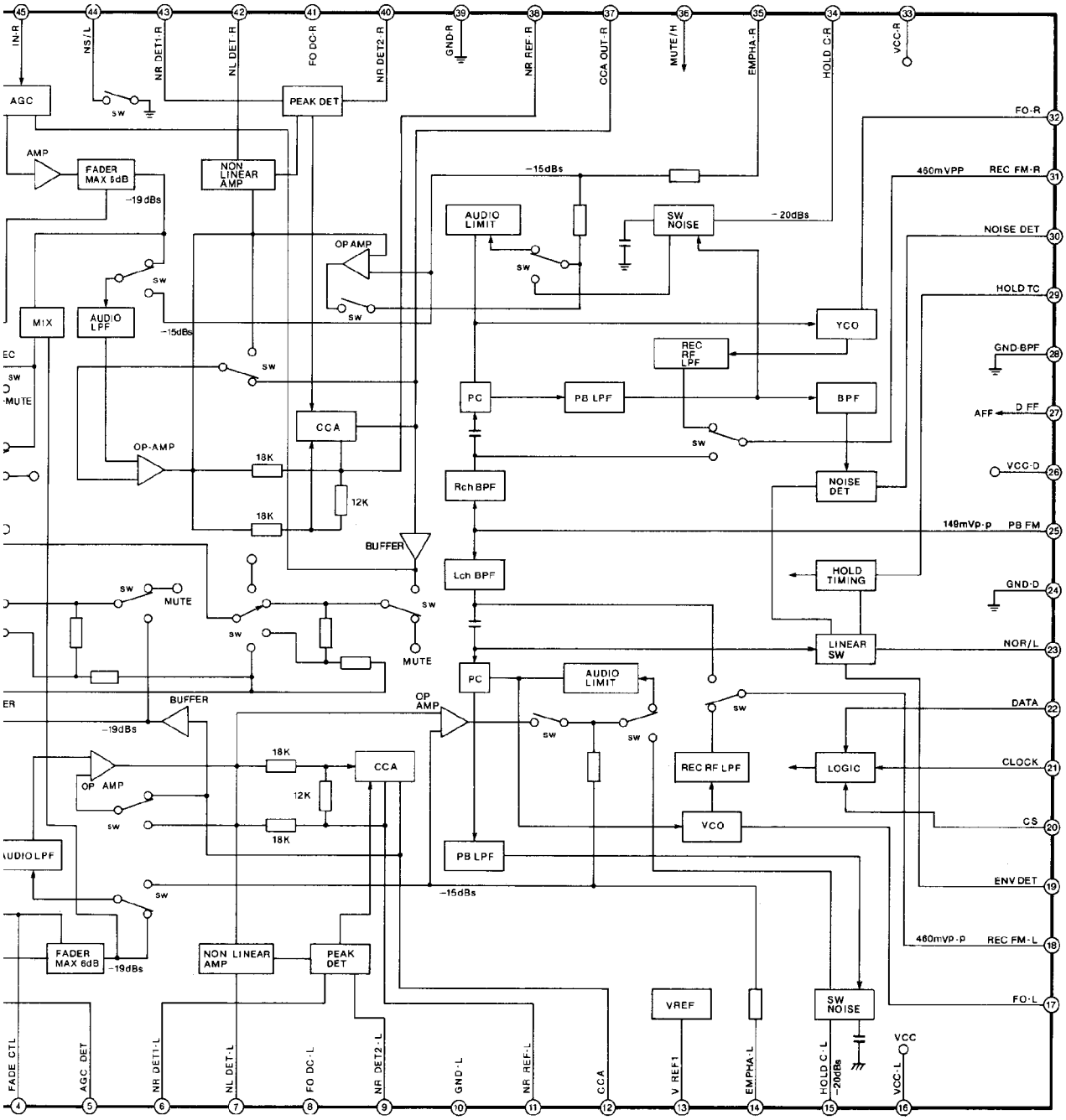
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

5 6 7 8

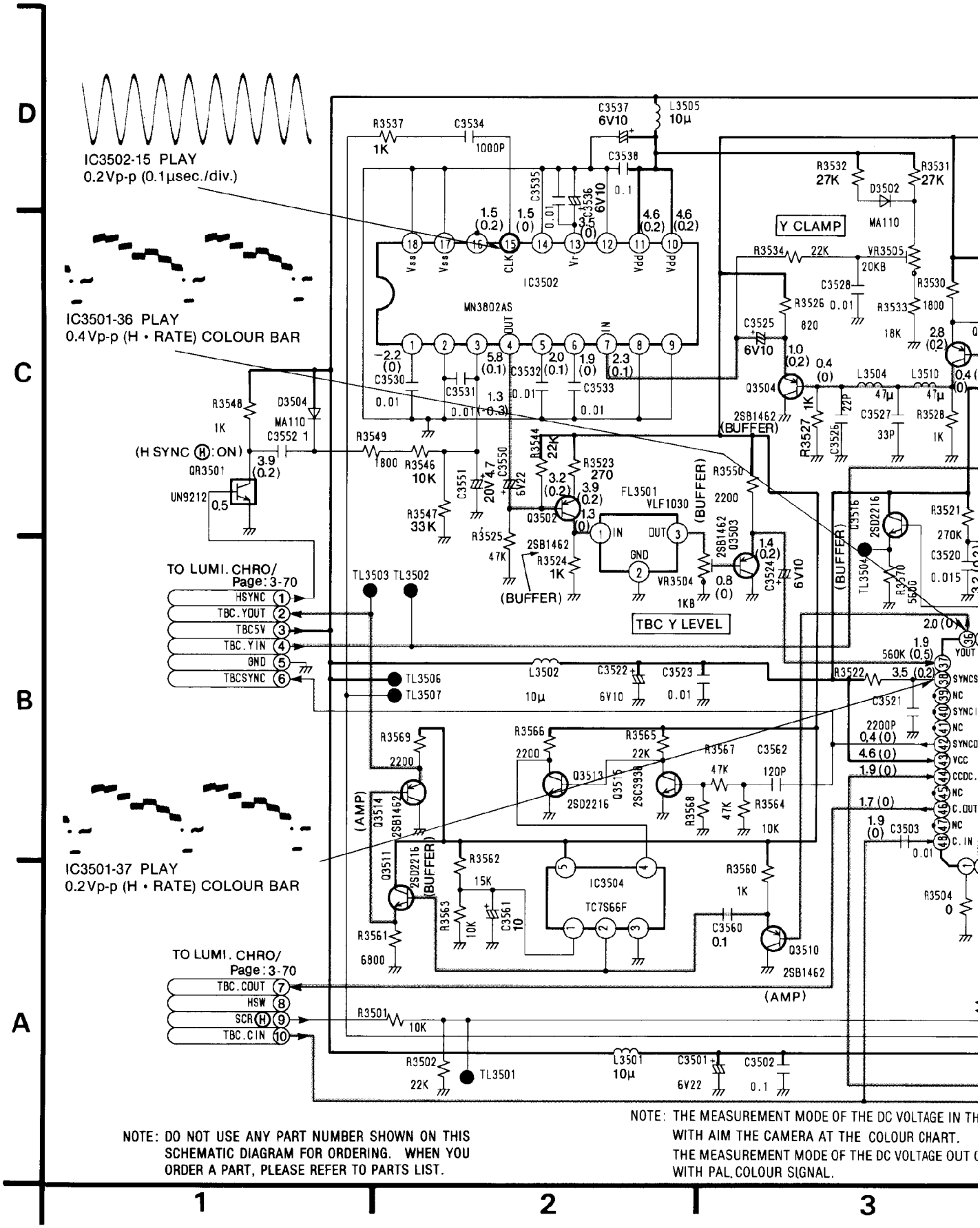
IC BLOCK

IC4501 (AN3959FHP)

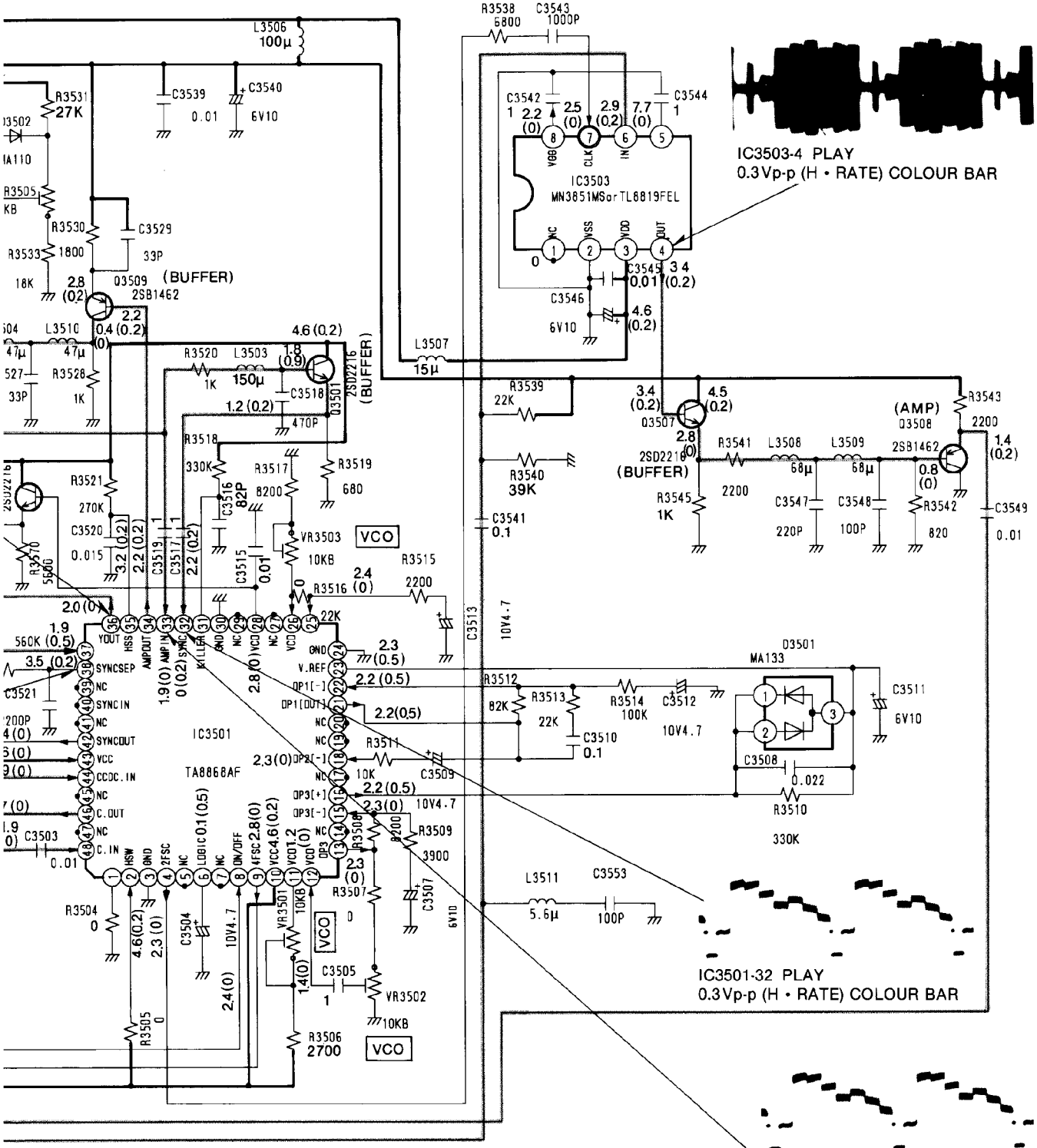



IN-R
NS/L
NR DET1-R
NL DET-R
FO DC-R
NR DET2-R
GND-R
NR REF-R
CCA OUT-R
MUTE/H
EMPHA-R
HOLD C-R
VCC-R
AGC
PEAK DET
FO-R
AMP
FADER MAX 6dB
NON LINEAR AMP
-15dBs
460mVPP
REC FM-R
-19dBs
AUDIO LIMIT
SW NOISE
-20dBs
NOISE DET
OP AMP
HOLD TC
MIX
AUDIO LPF
-15dBs
VCO
REC RF LPF
GND-BPF
PC
PB LPF
BPF
AFF
D FF
CCA
OP-AMP
18K
12K
NOISE DET
VCC-D
Rch BPF
148mVp-p
PB FM
BUFFER
HOLD TIMING
GND-D
Lch BPF
MUTE
LINEAR SW
NOR/L
PC
AUDIO LIMIT
DATA
OP AMP
BUFFER
-19dBs
REC RF LPF
LOGIC
CLOCK
OP AMP
CCA
18K
12K
18K
VCO
CS
AUDIO LPF
PB LPF
ENV DET
-15dBs
460mVP-P
REC FM-L
FADER MAX 6dB
-19dBs
NON LINEAR AMP
PEAK DET
FO-L
VREF
SW NOISE
VCC
FADE CTL
AGC DET
NR DET1-L
NL DET-L
FO DC-L
NR DET2-L
GND-L
NR REF-L
CCA
V REF1
EMPHA-L
HOLD C-L
-20dBs
VCC-L

3-29. TBC SCHEMATIC DIAGRAM



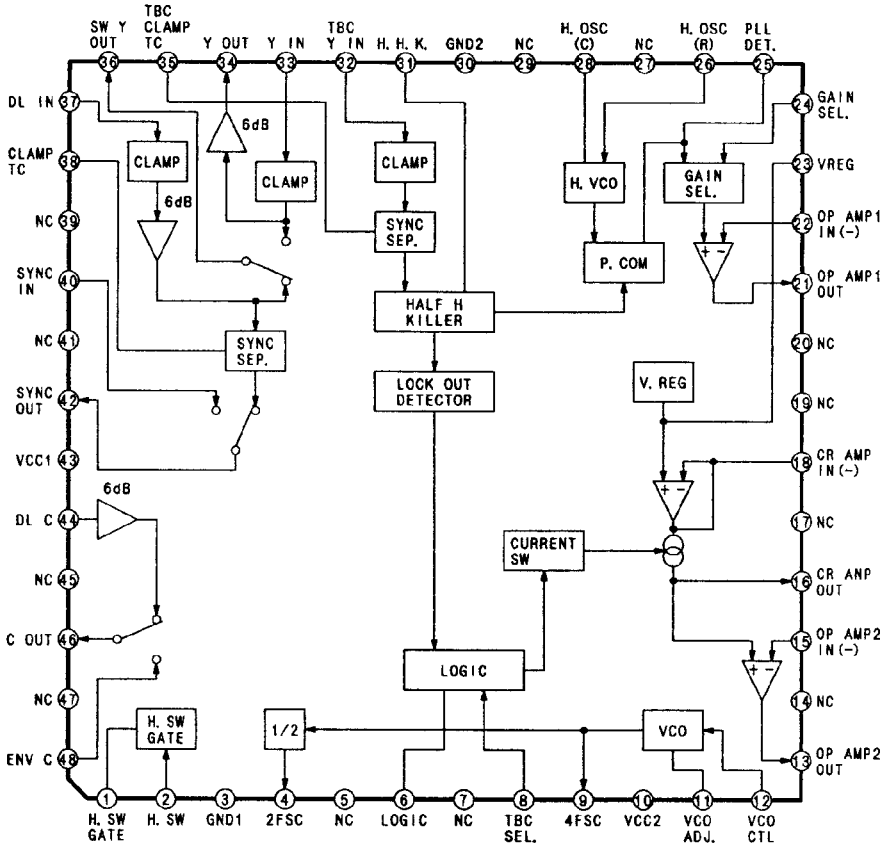
MAIN SIGNAL PATH



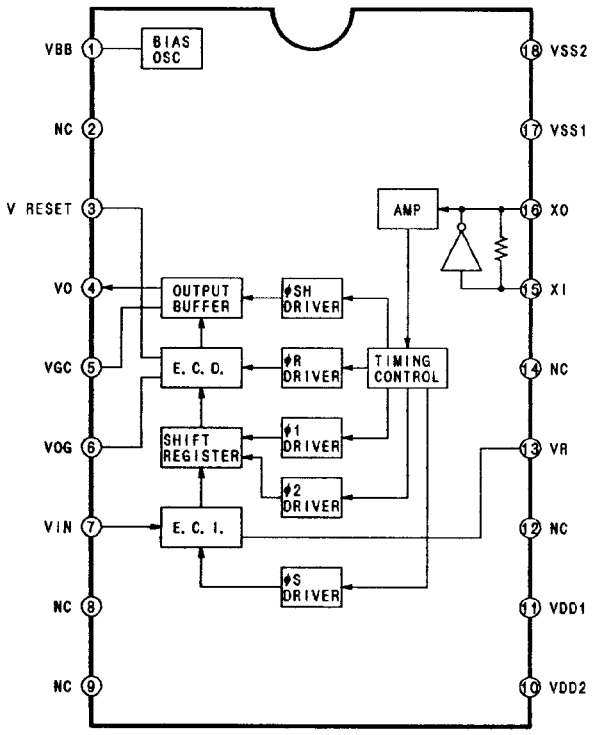
E DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE (S-VHS)
COLOUR CHART.
E DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

IC BLOCK

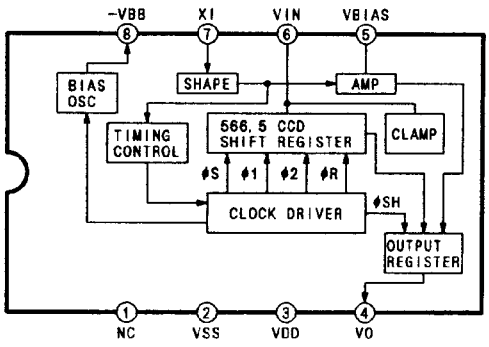
IC3501 (TA8868AF)



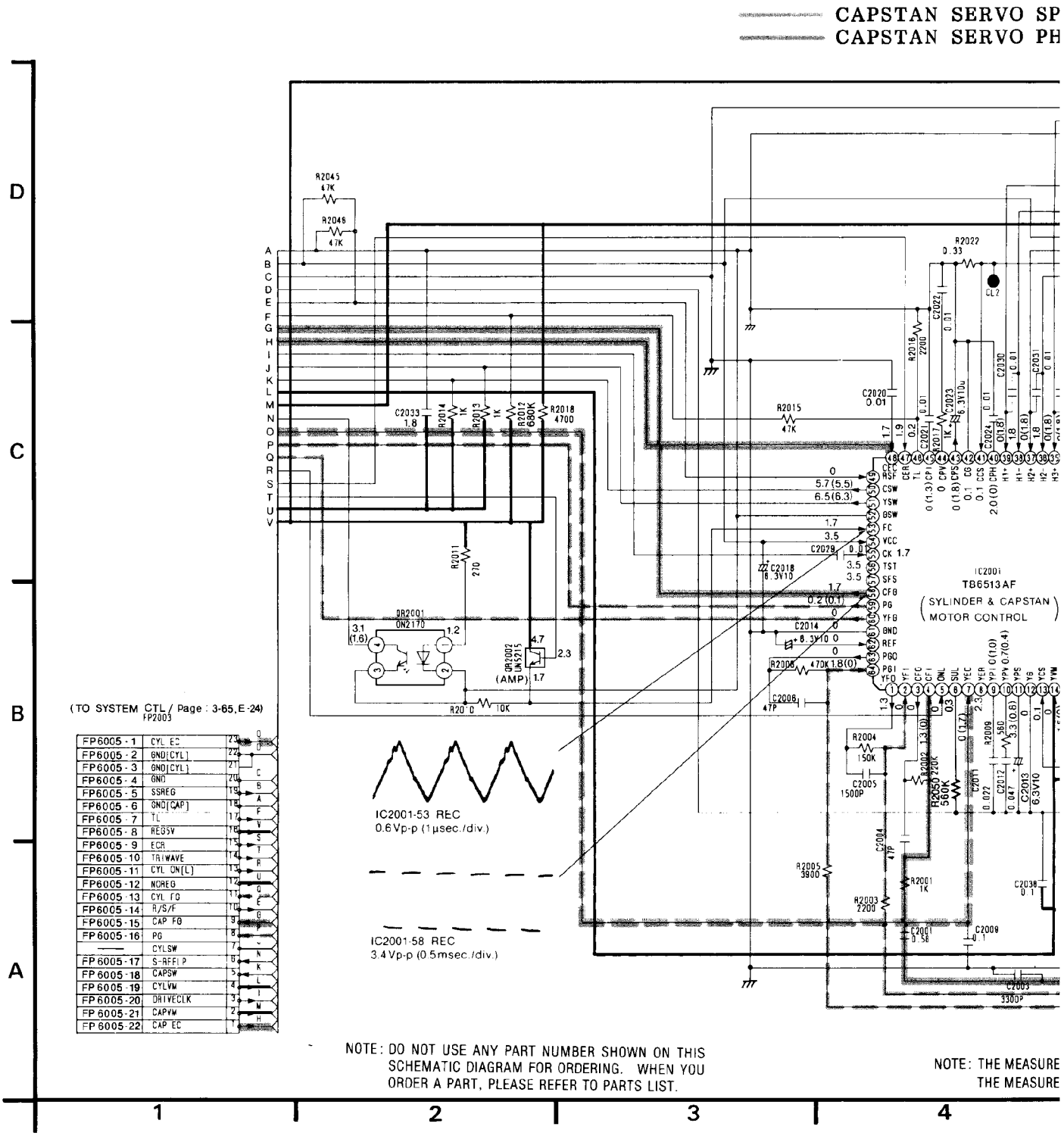
IC3502 (MN3802AS)



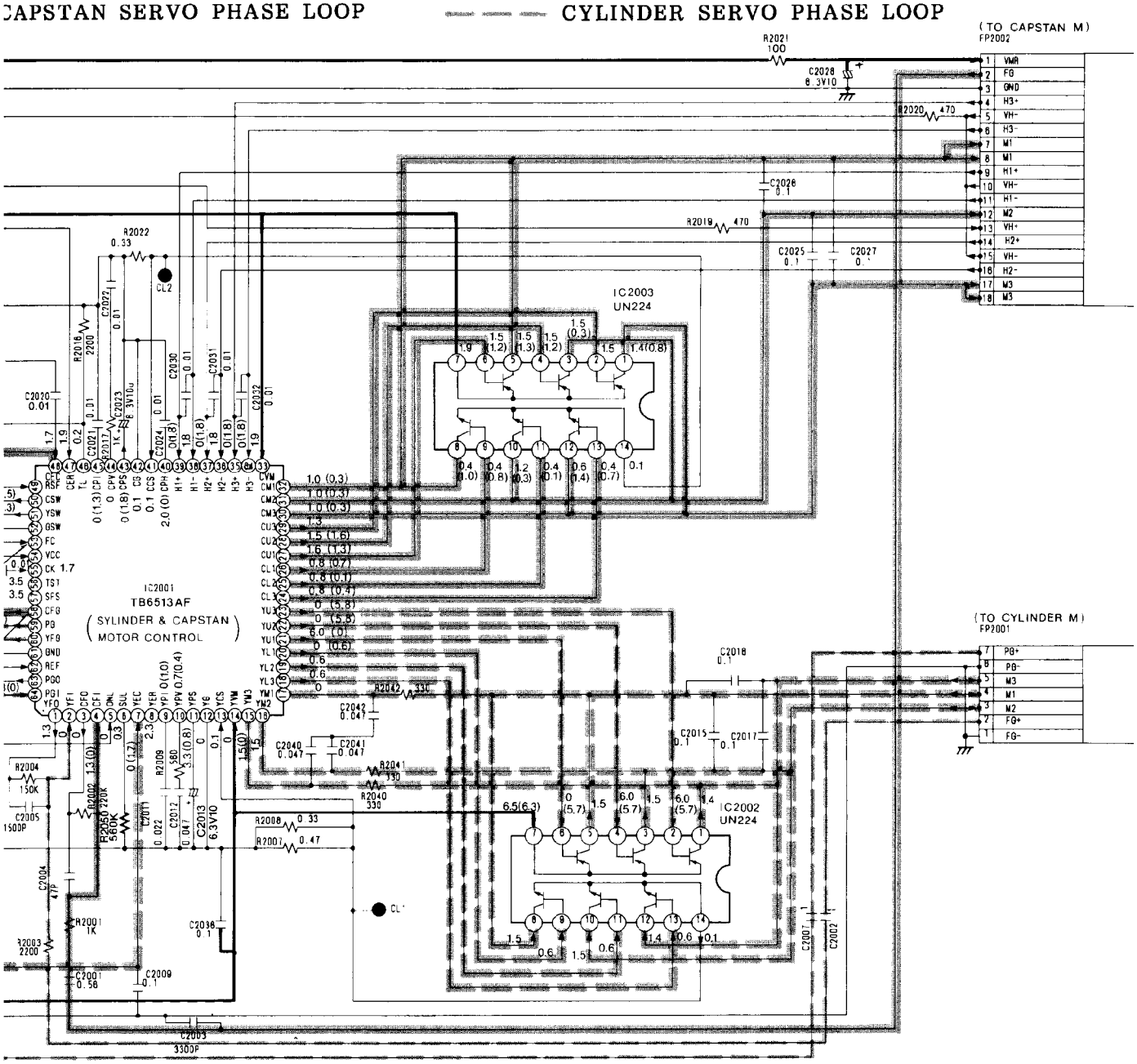
IC3503 (MN3851MS)



3-31. DRIVE SCHEMATIC DIAGRAM



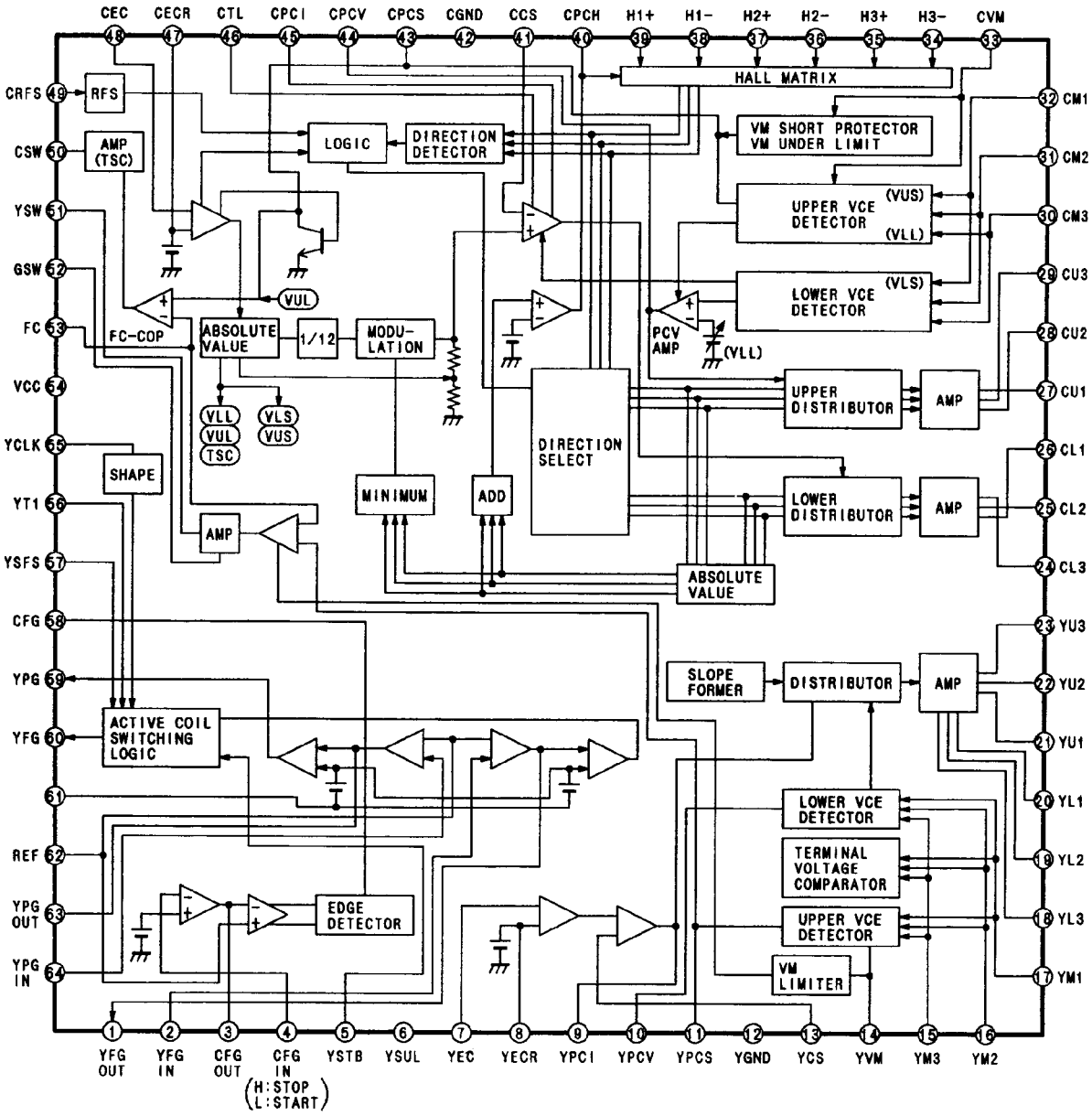
CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
CYLINDER SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP



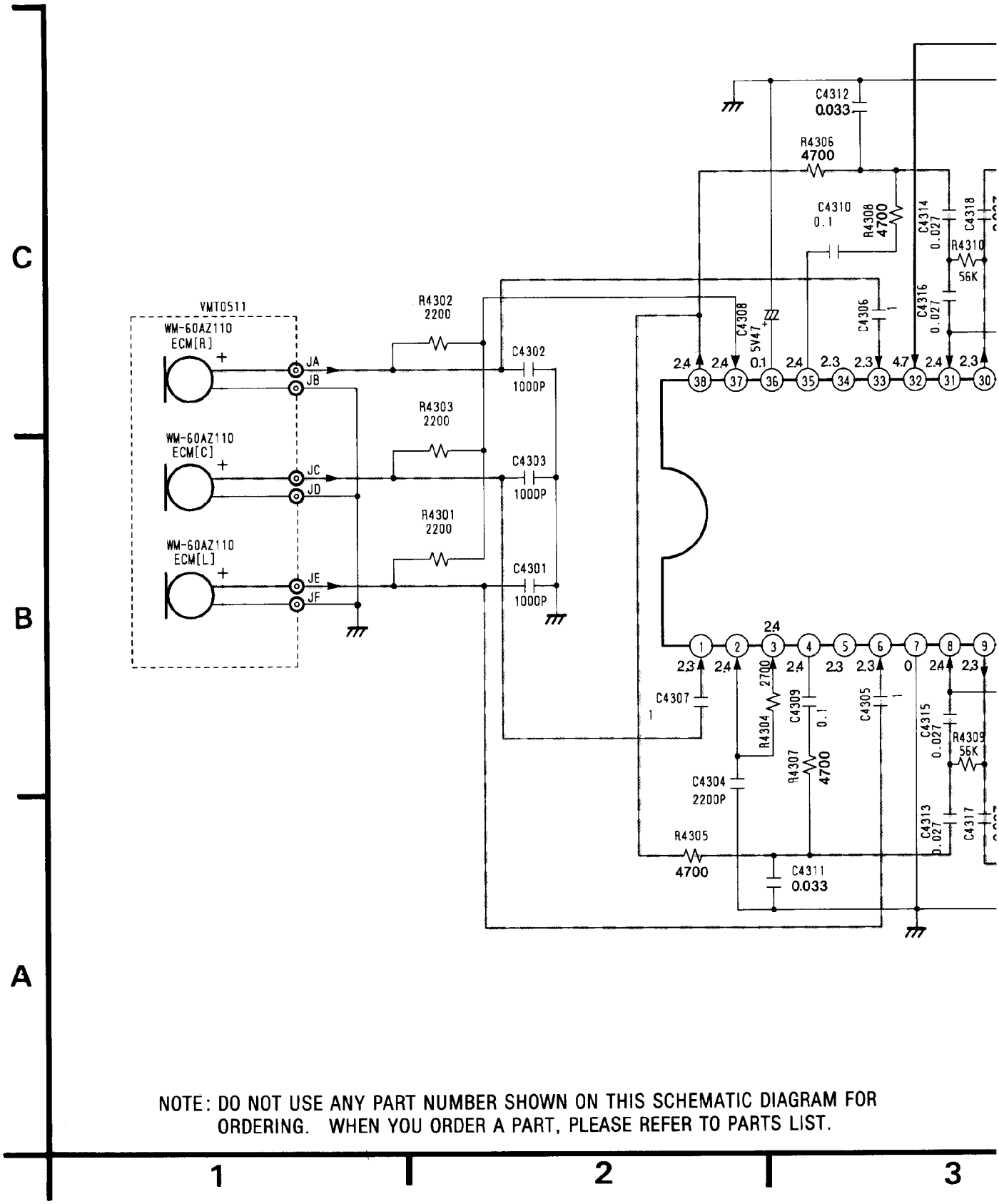
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE (S-VHS)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

IC BLOCK

IC2001 (TB6513AF)

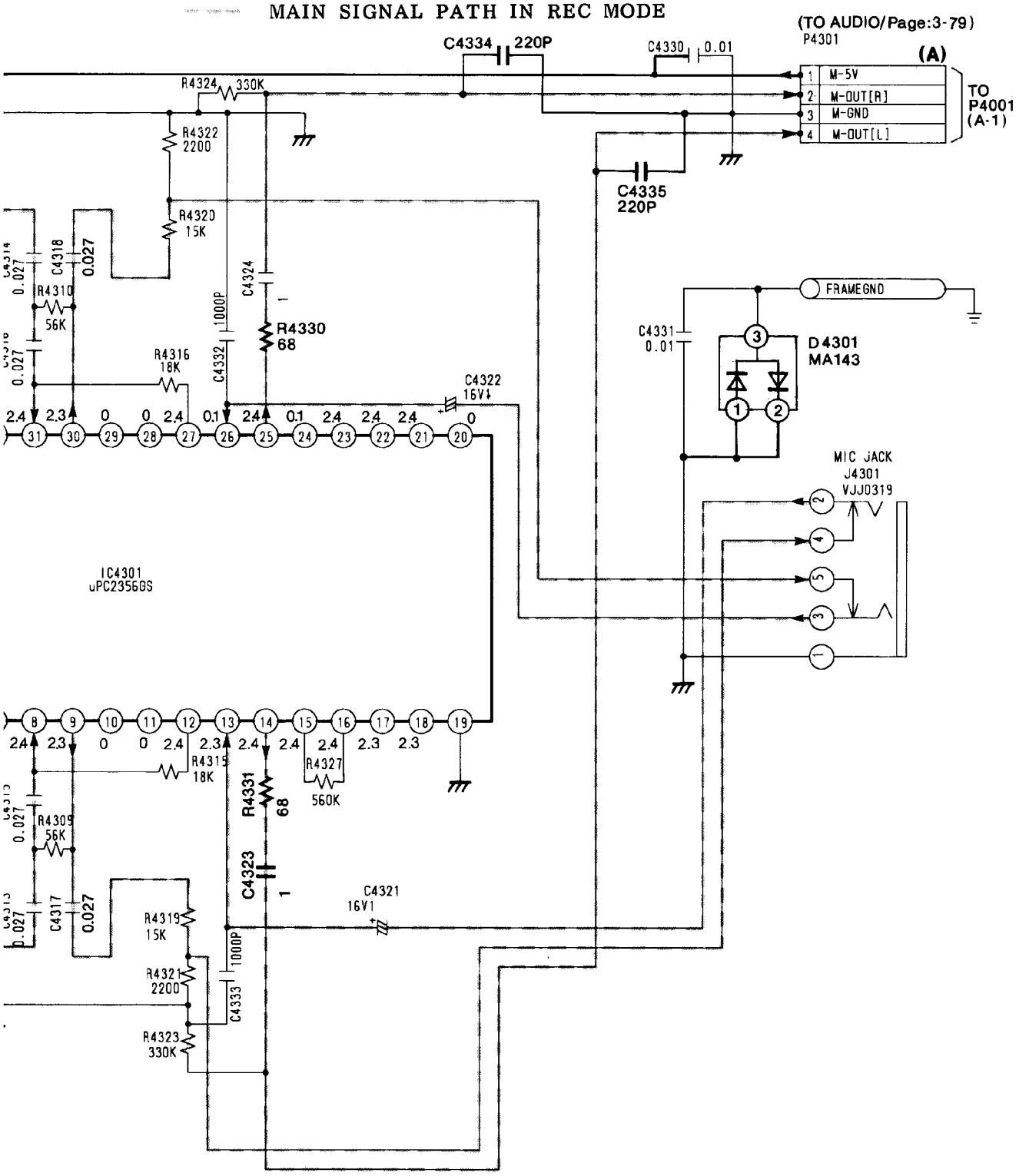


3-33. MIC SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

MAIN SIGNAL PATH IN REC MODE

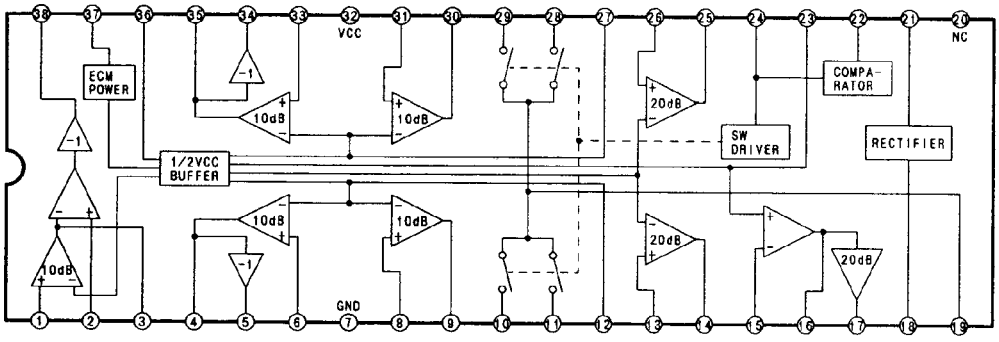


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS RECORD MODE

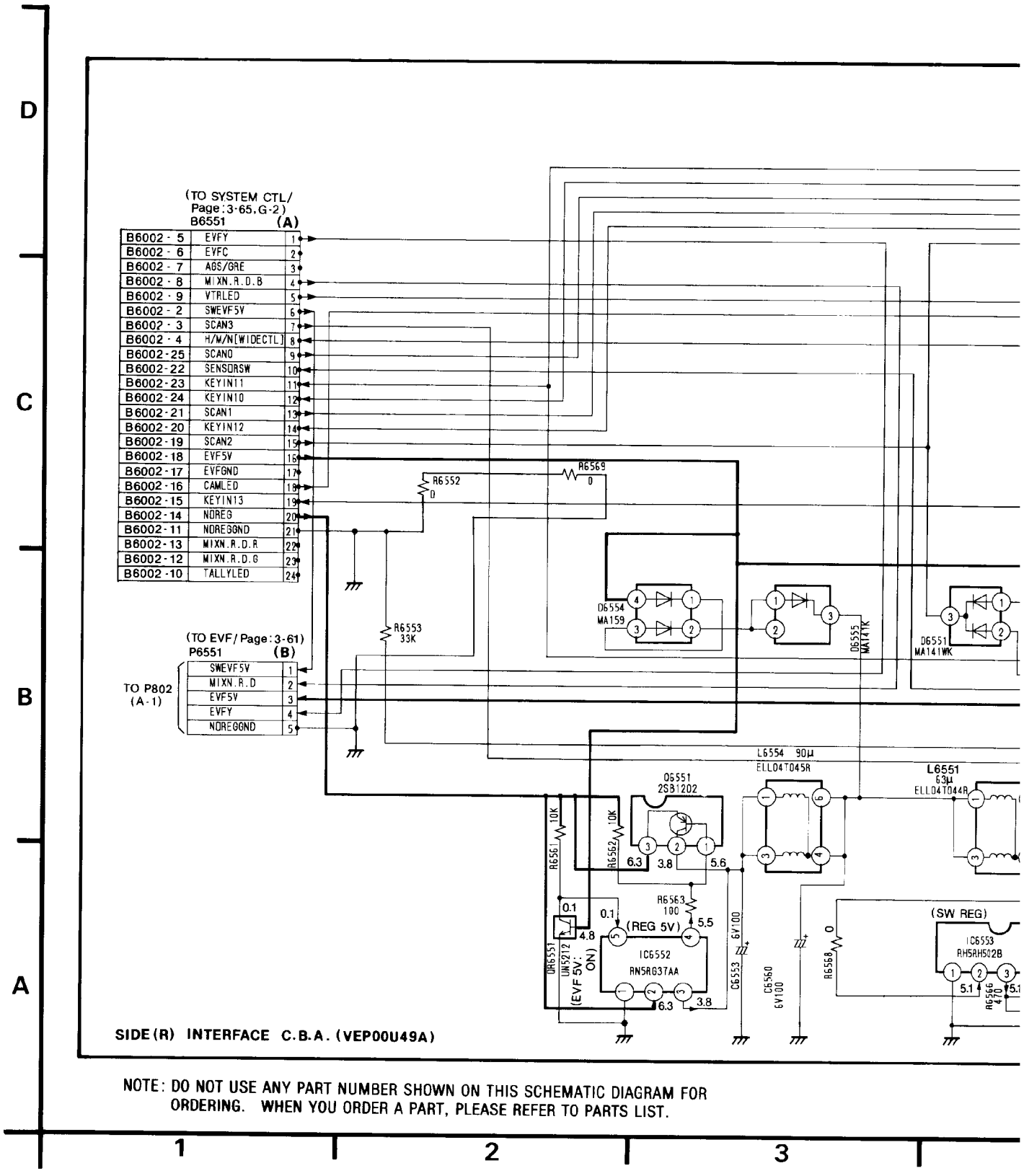
3 | 4 | 5

IC BLOCK

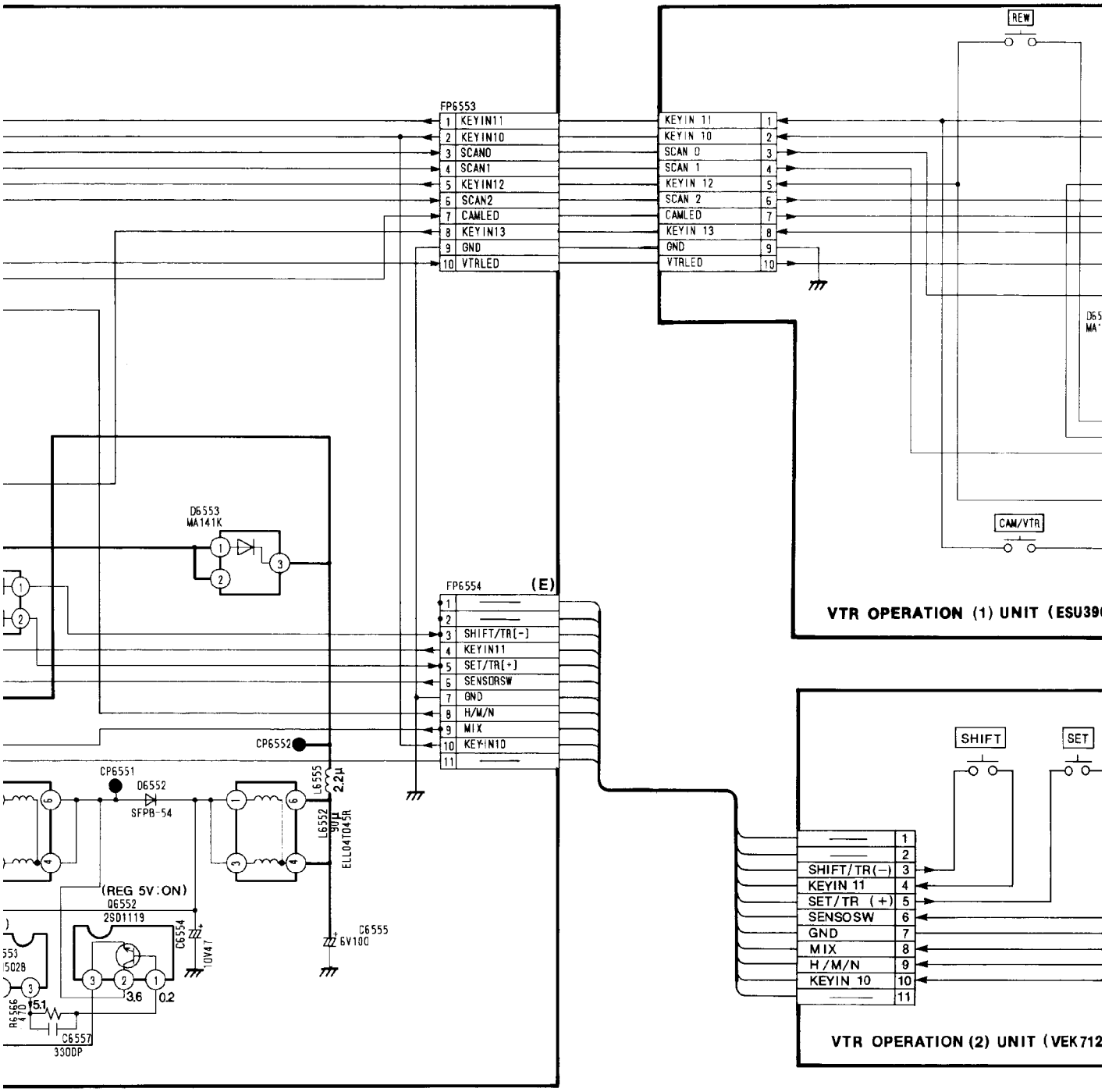
IC4301 (μPC2356GS)

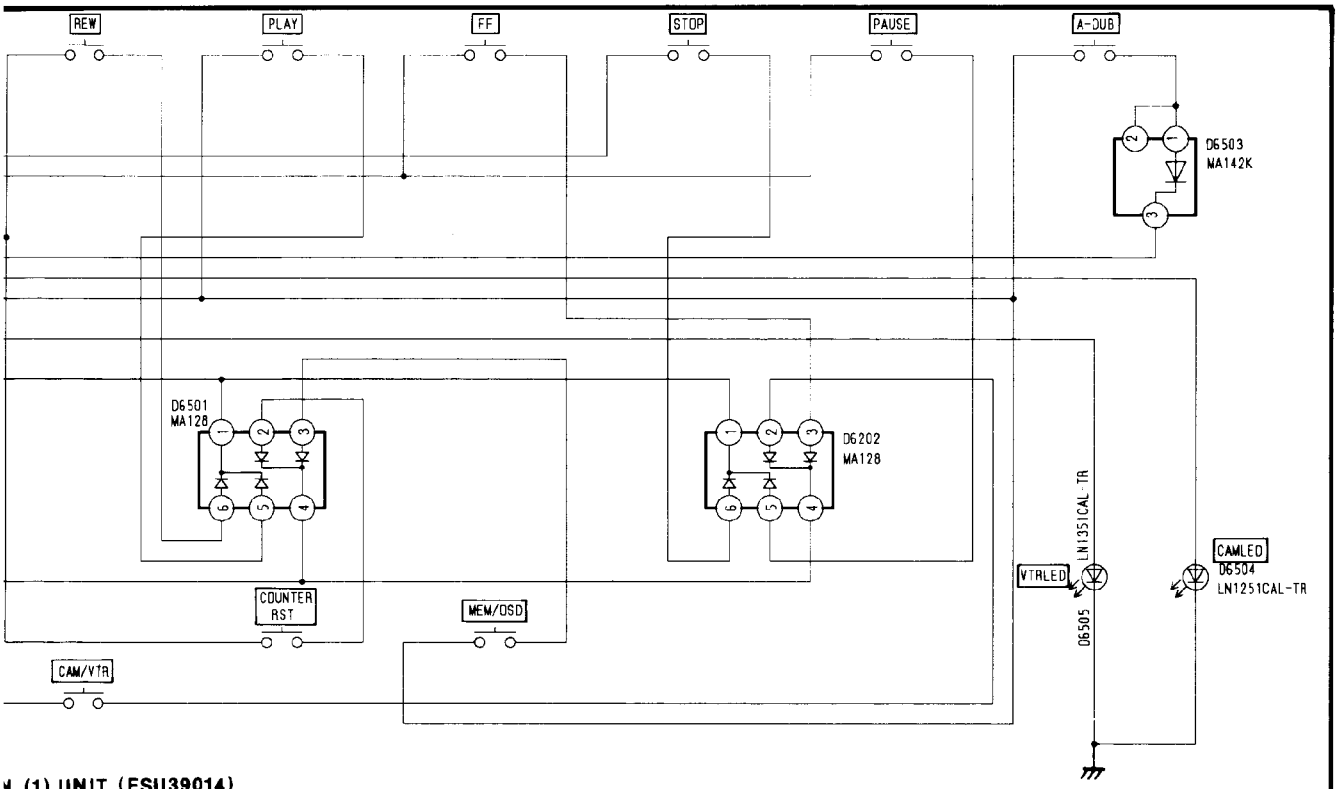


3-36. SIDE (R) INTERFACE SCHEMATIC DIAGRAM

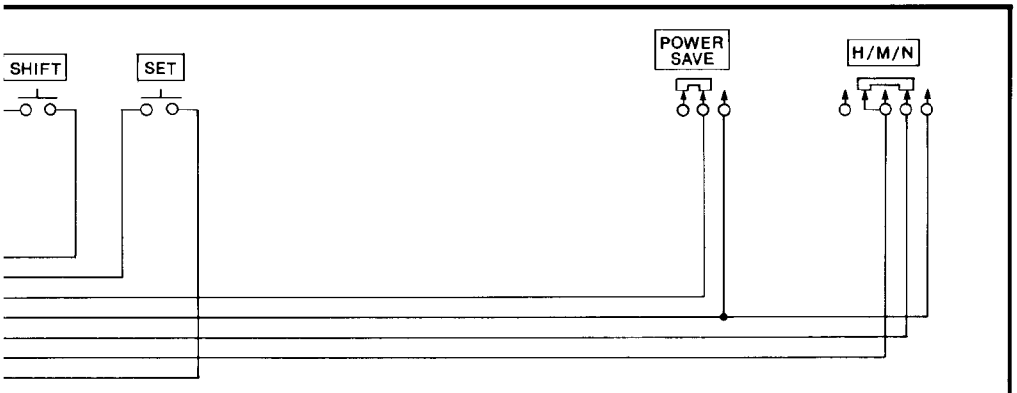


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.


FP6553
1 KEYIN11
2 KEYIN10
3 SCAN0
4 SCAN1
5 KEYIN12
6 SCAN2
7 CAMLED
8 KEYIN13
9 GND
10 VTRLED
KEYIN 11 1
KEYIN 10 2
SCAN 0 3
SCAN 1 4
KEYIN 12 5
SCAN 2 6
CAMLED 7
KEYIN 13 8
GND 9
VTRLED 10
REW
CAM/VTR
VTR OPERATION (1) UNIT (ESU39
D6553
MA141K
FP6554 (E)
1
2
3 SHIFT/TR(-)
4 KEYIN11
5 SET/TR(+)
6 SENSORSW
7 GND
8 H/M/N
9 MIX
10 KEYIN10
11
CP6552
CP6551
D6552
SFPB-54
L6555
2.2μ
L6552
90μ
ELL04T045R
(REG 5V:ON)
Q6552
2SD1119
C6554
10V47
C6555
6V100
R6566
4.7Ω
5.1
C6557
330DP
3.6
0.2
SHIFT
SET
1
2
SHIFT/TR(−) 3
KEYIN 11 4
SET/TR (+) 5
SENSOSW 6
GND 7
MIX 8
H/M/N 9
KEYIN 10 10
11
VTR OPERATION (2) UNIT (VEK712
NOTE: THI



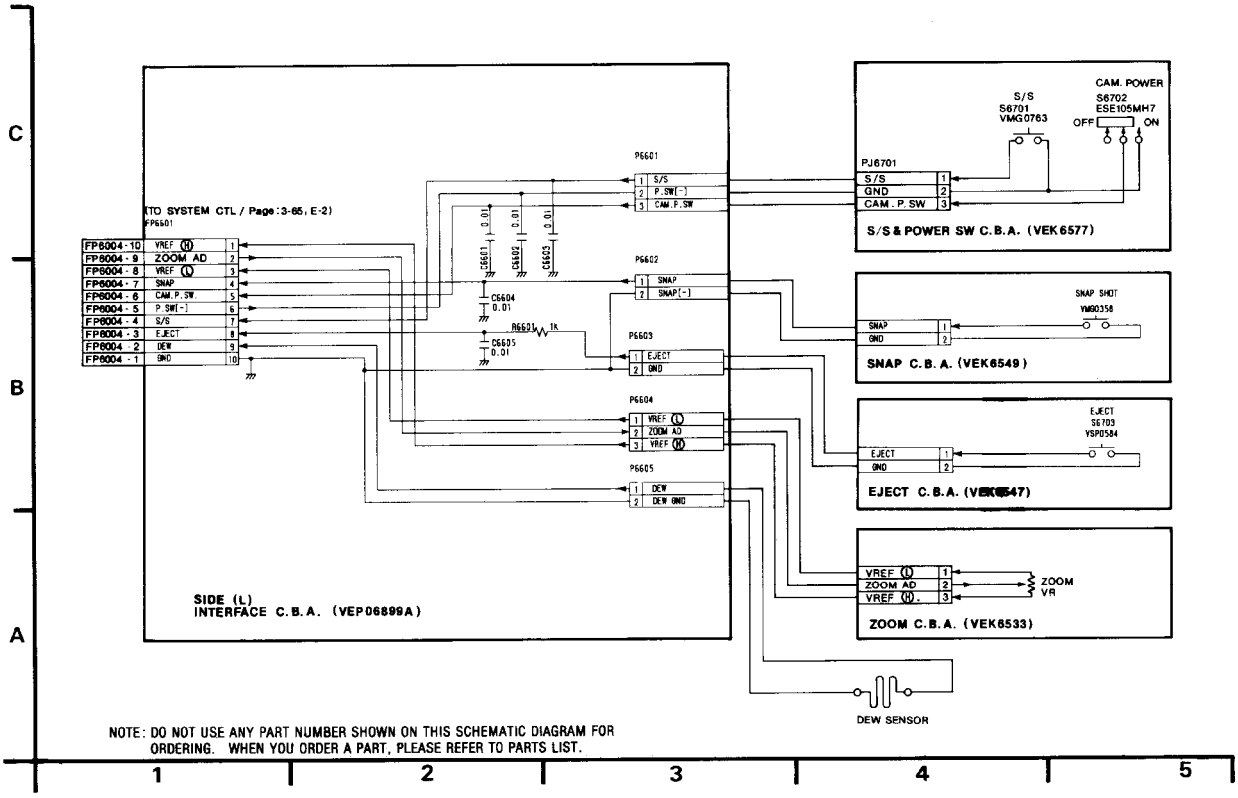
(1) UNIT (ESU39014)



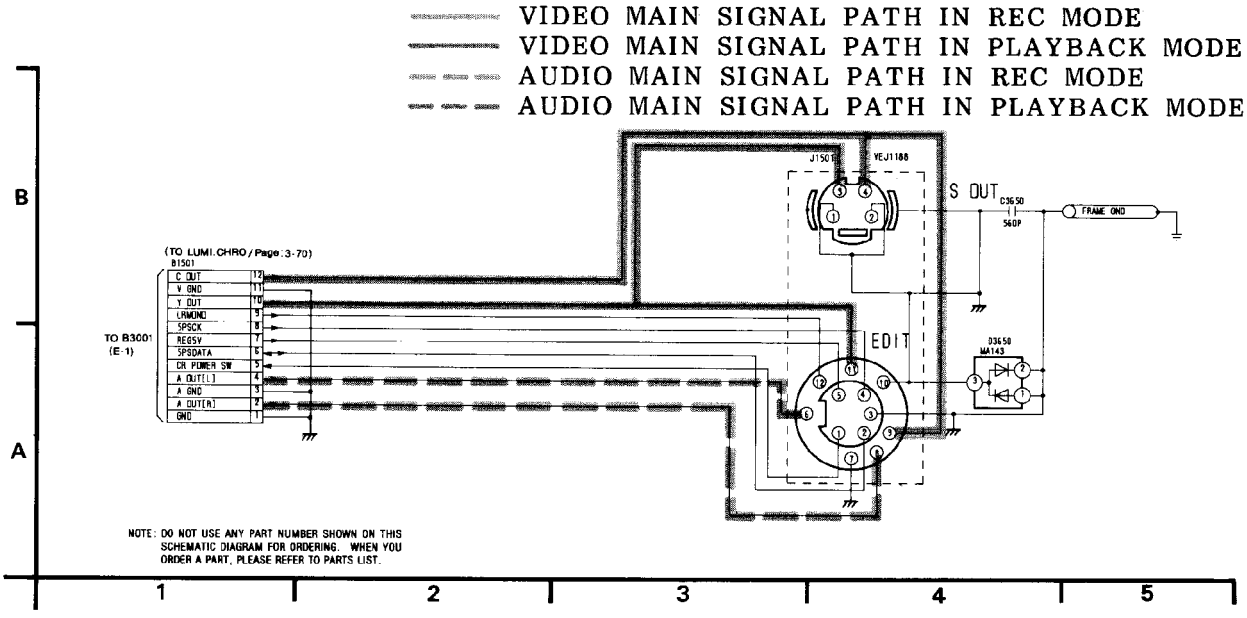
(2) UNIT (VEK7129)

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

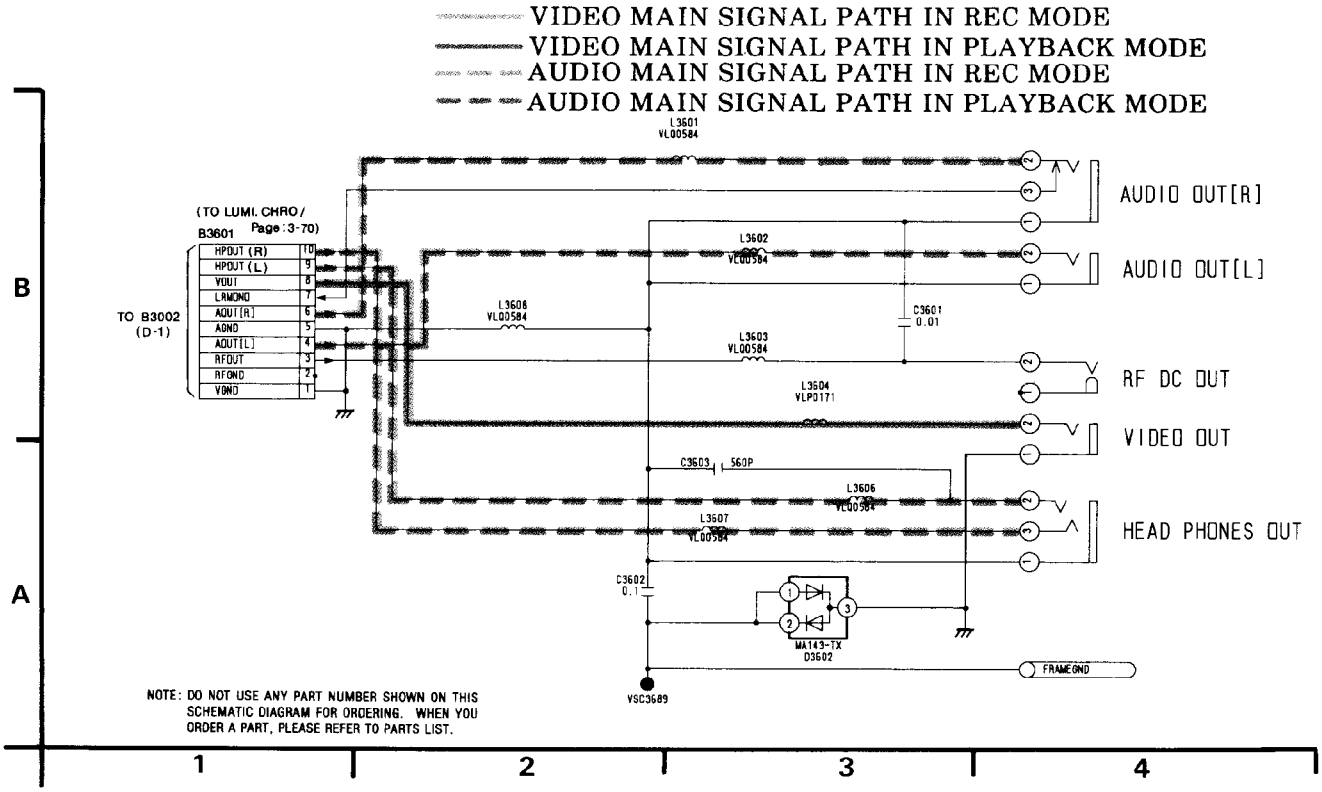
3-37. SIDE (L) INTERFACE SCHEMATIC DIAGRAM



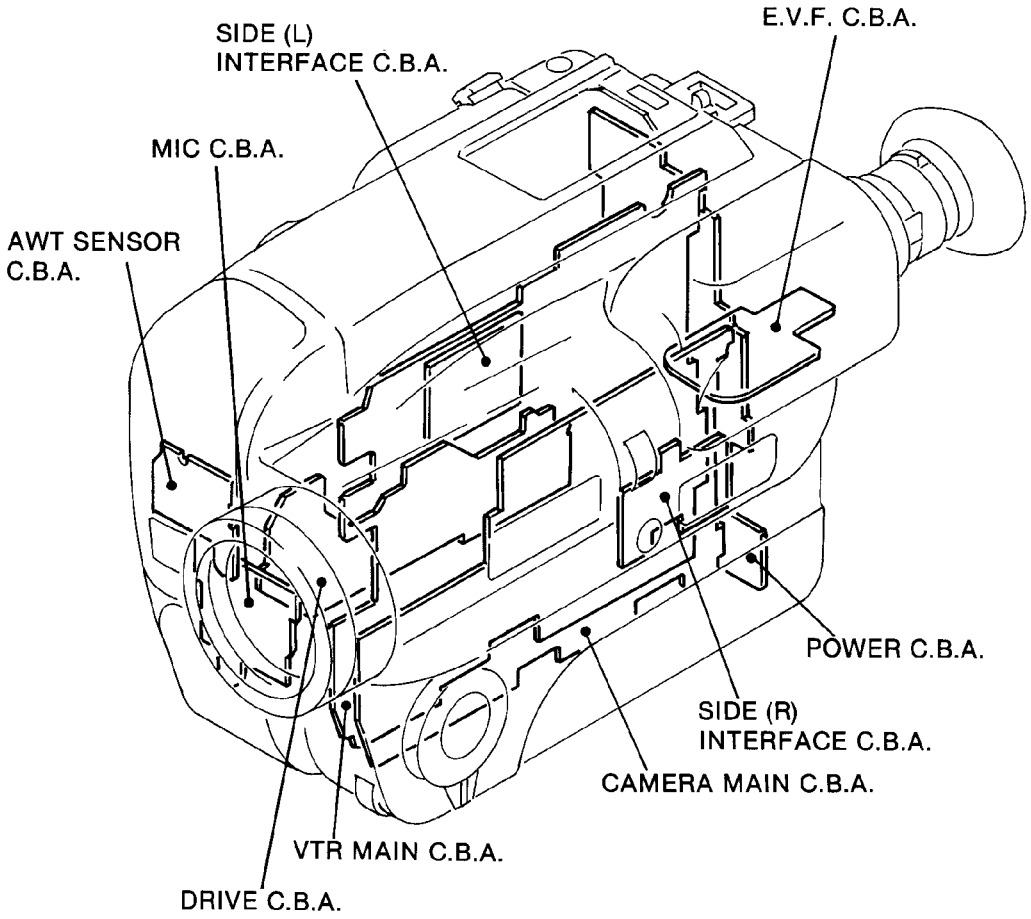
3-39. S JACK SCHEMATIC DIAGRAM



3-41. AV JACK SCHEMATIC DIAGRAM



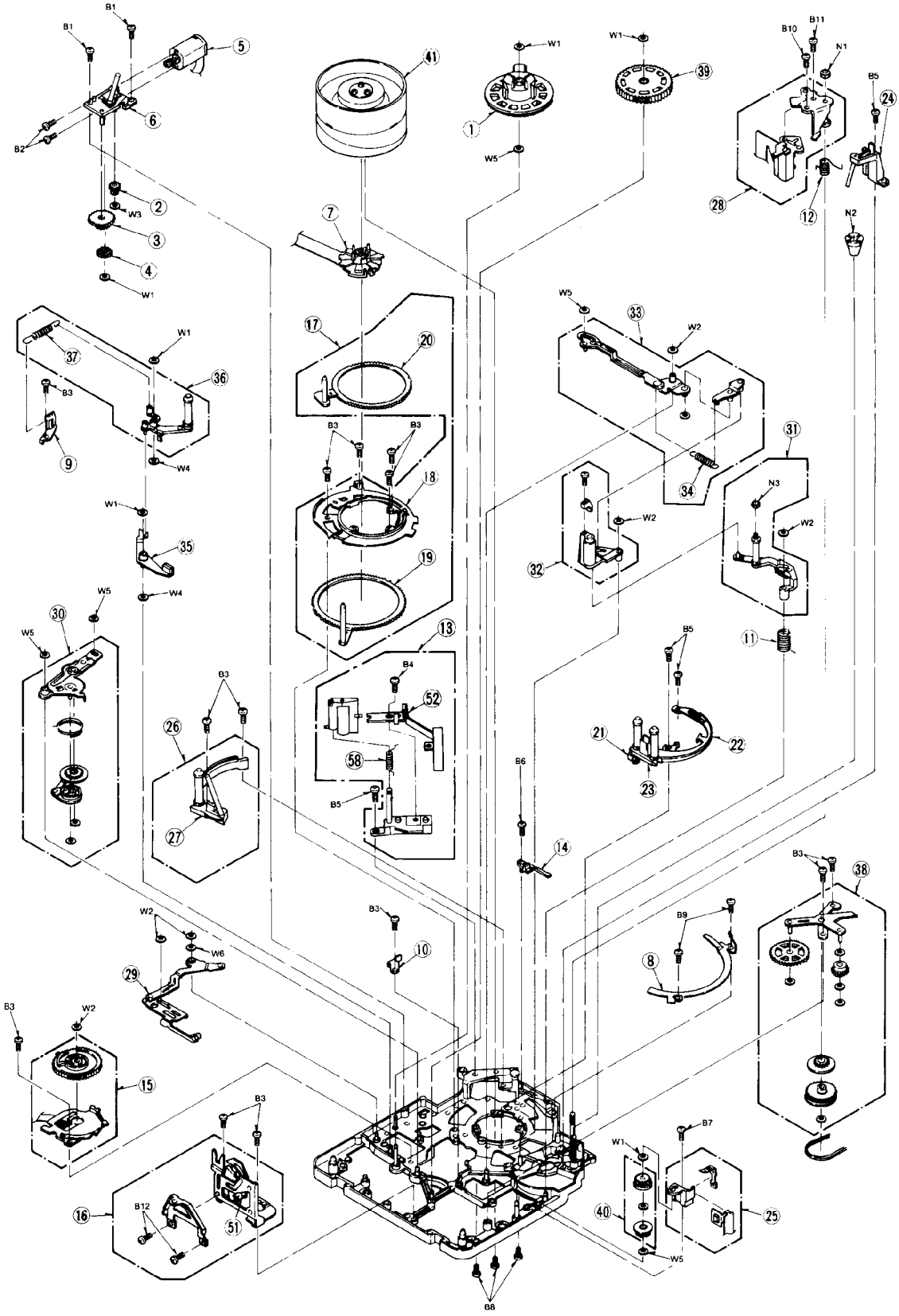
3-43. CIRCUIT BOARD LAYOUT



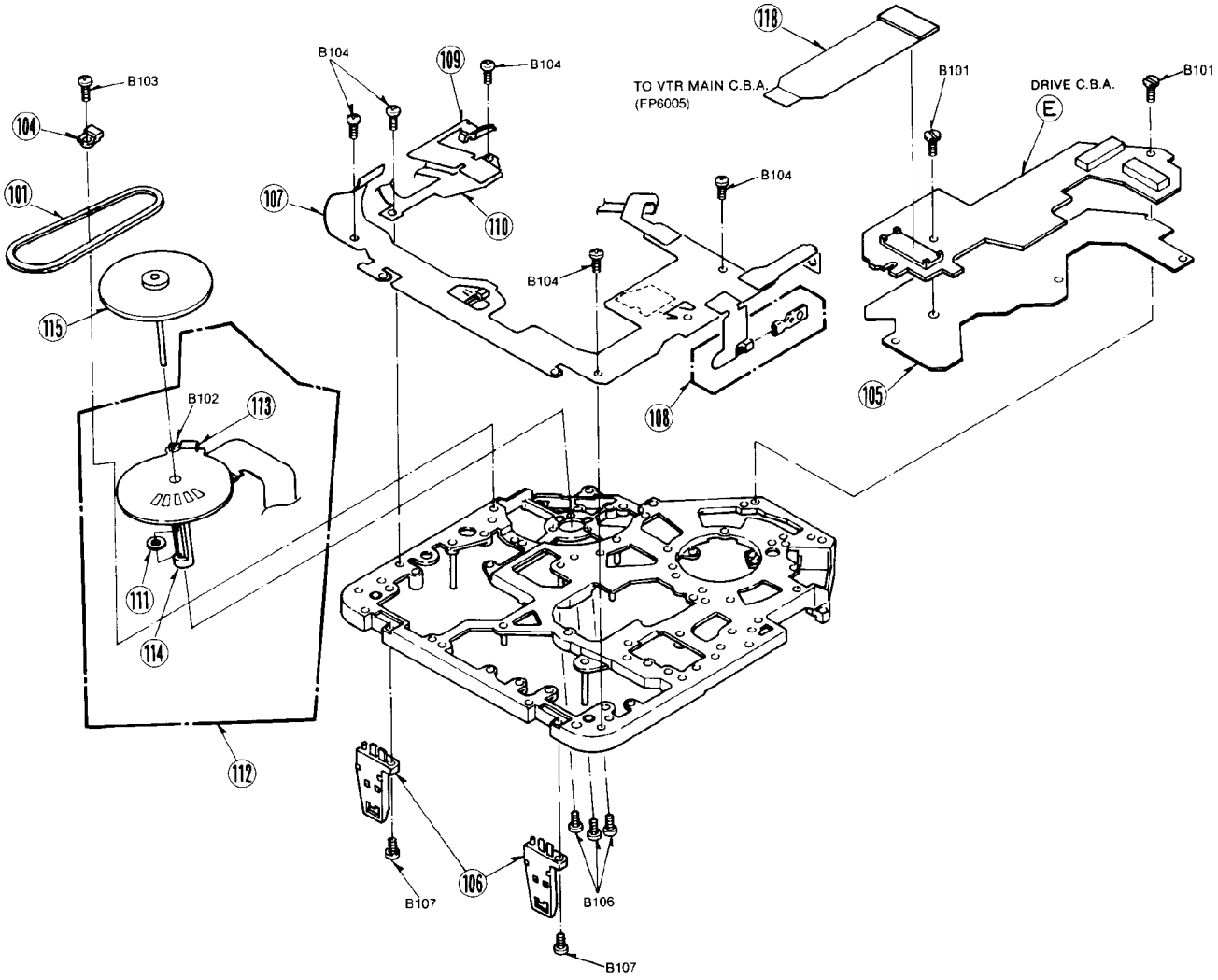
SECTION 4
EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEWS

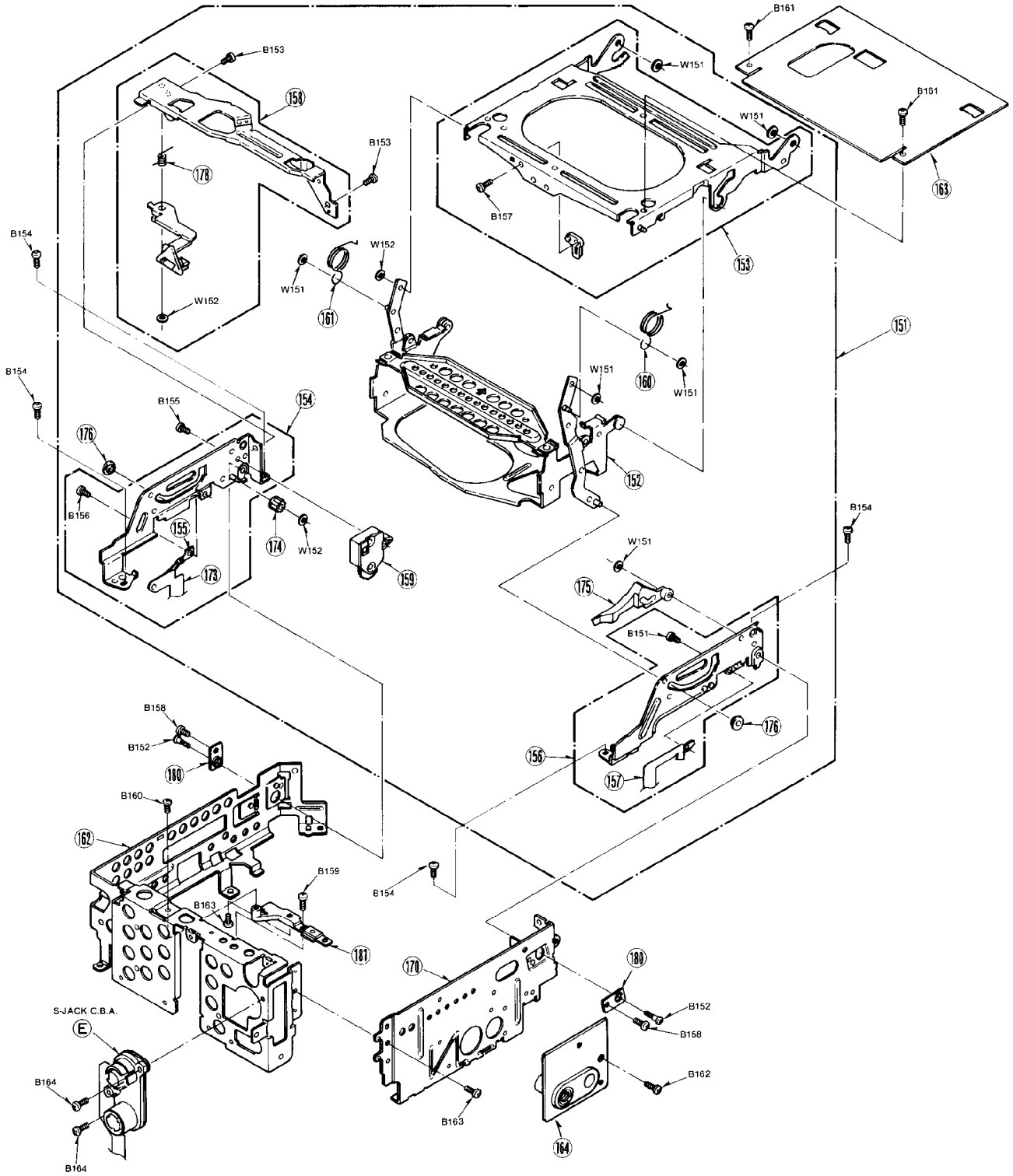
❶ VTR MECHANISM SECTION (1)



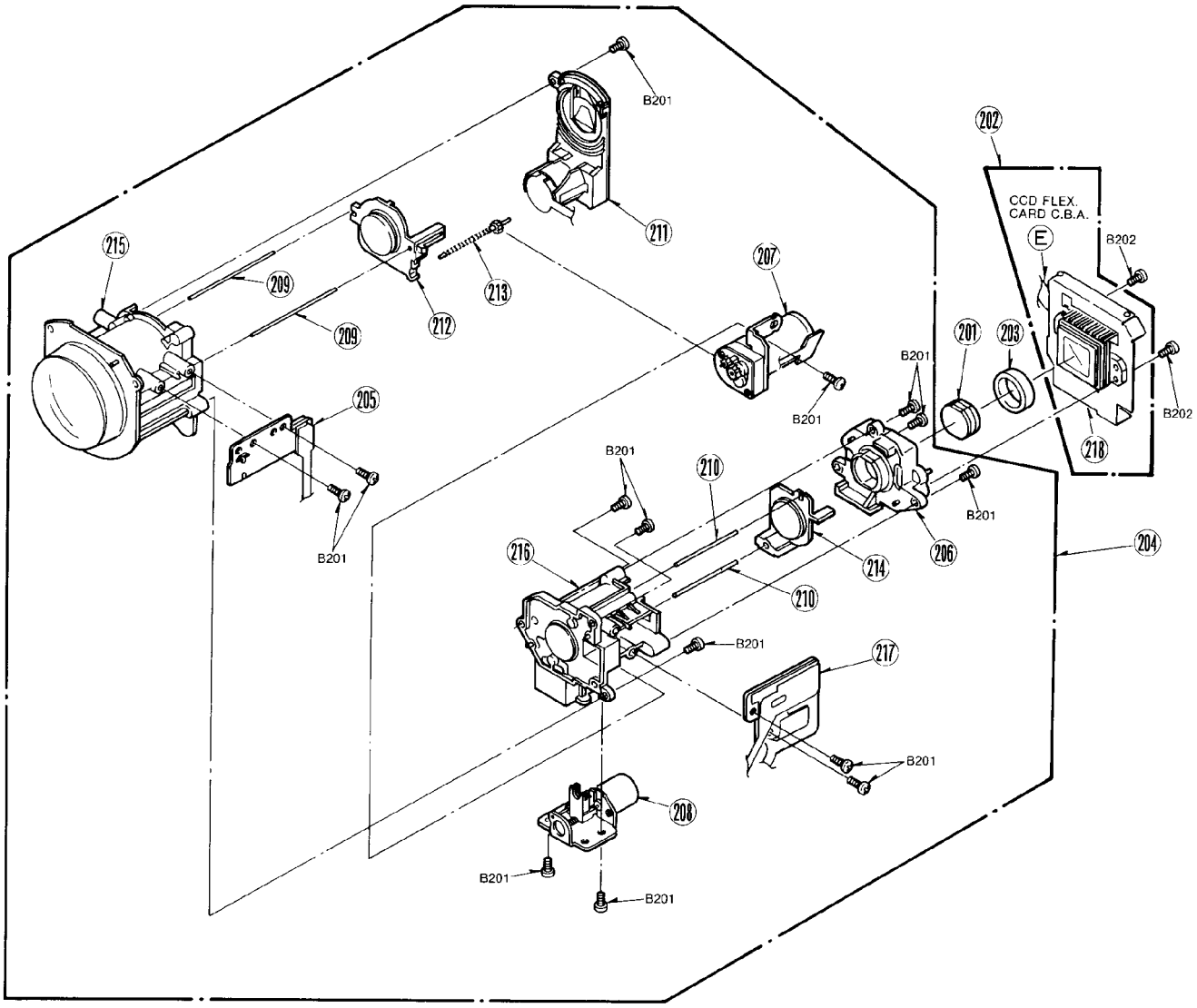
❷ VTR MECHANISM SECTION (2)



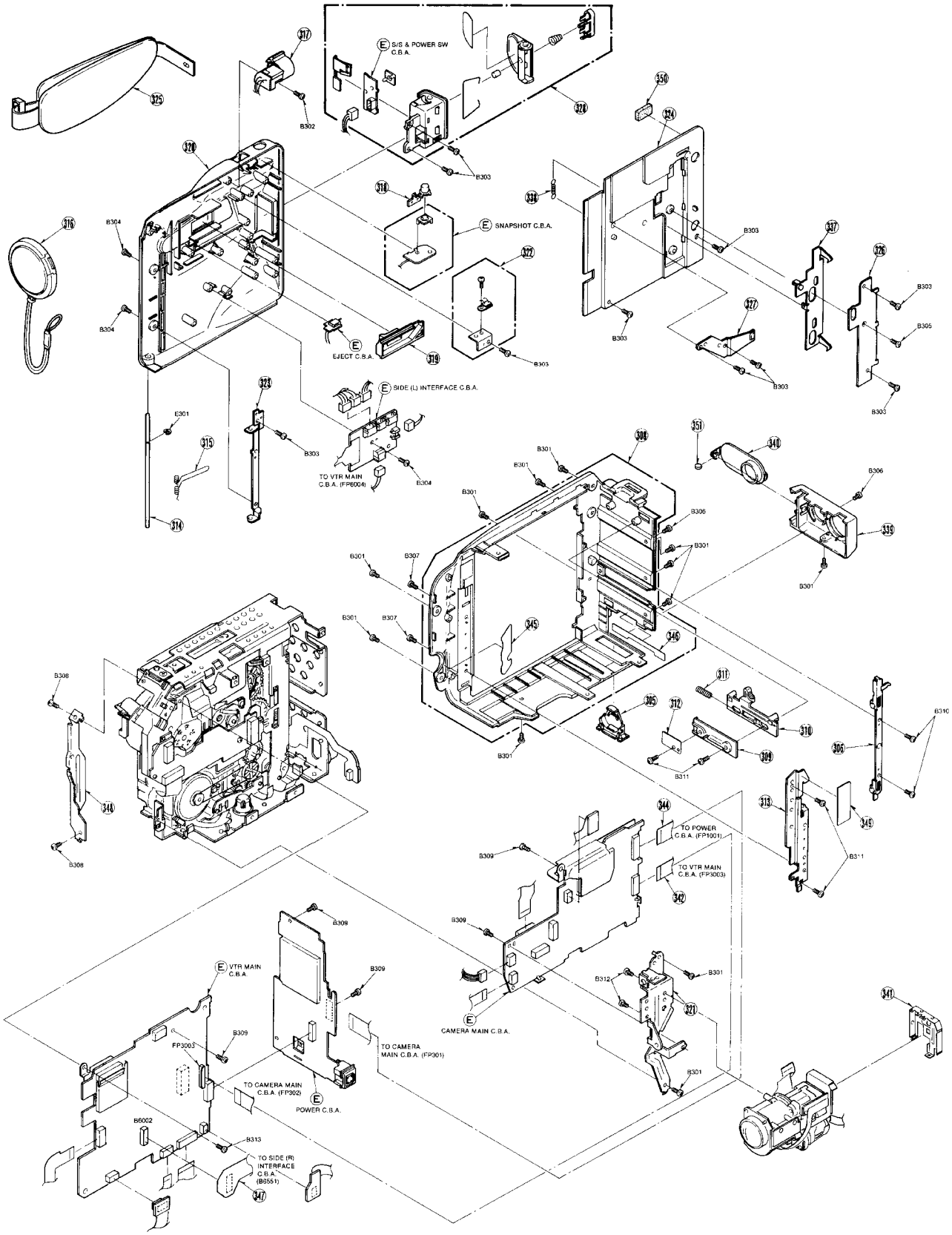
❸ VTR MECHANISM SECTION (3)



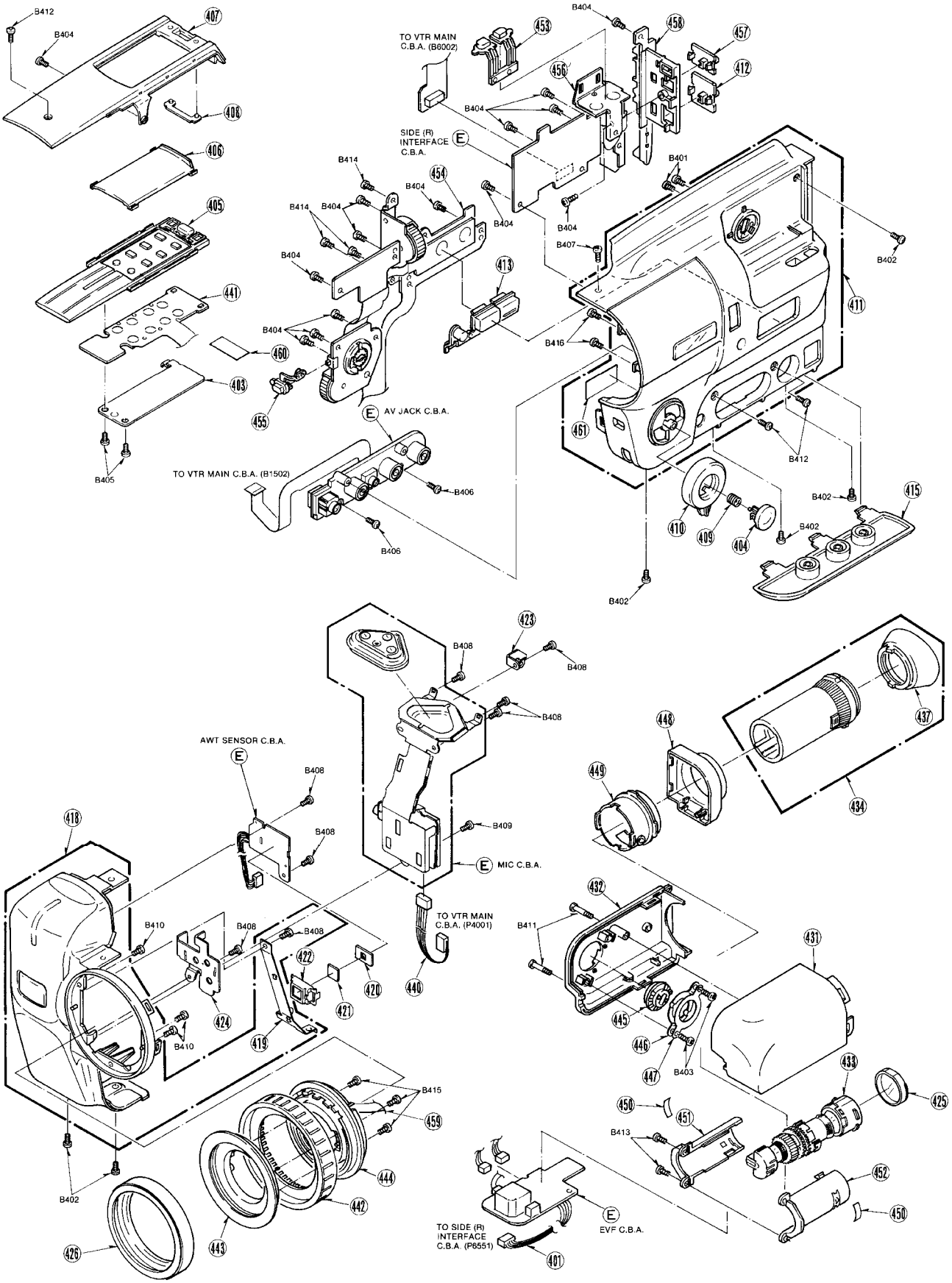
❹ CAMERA LENS SECTION



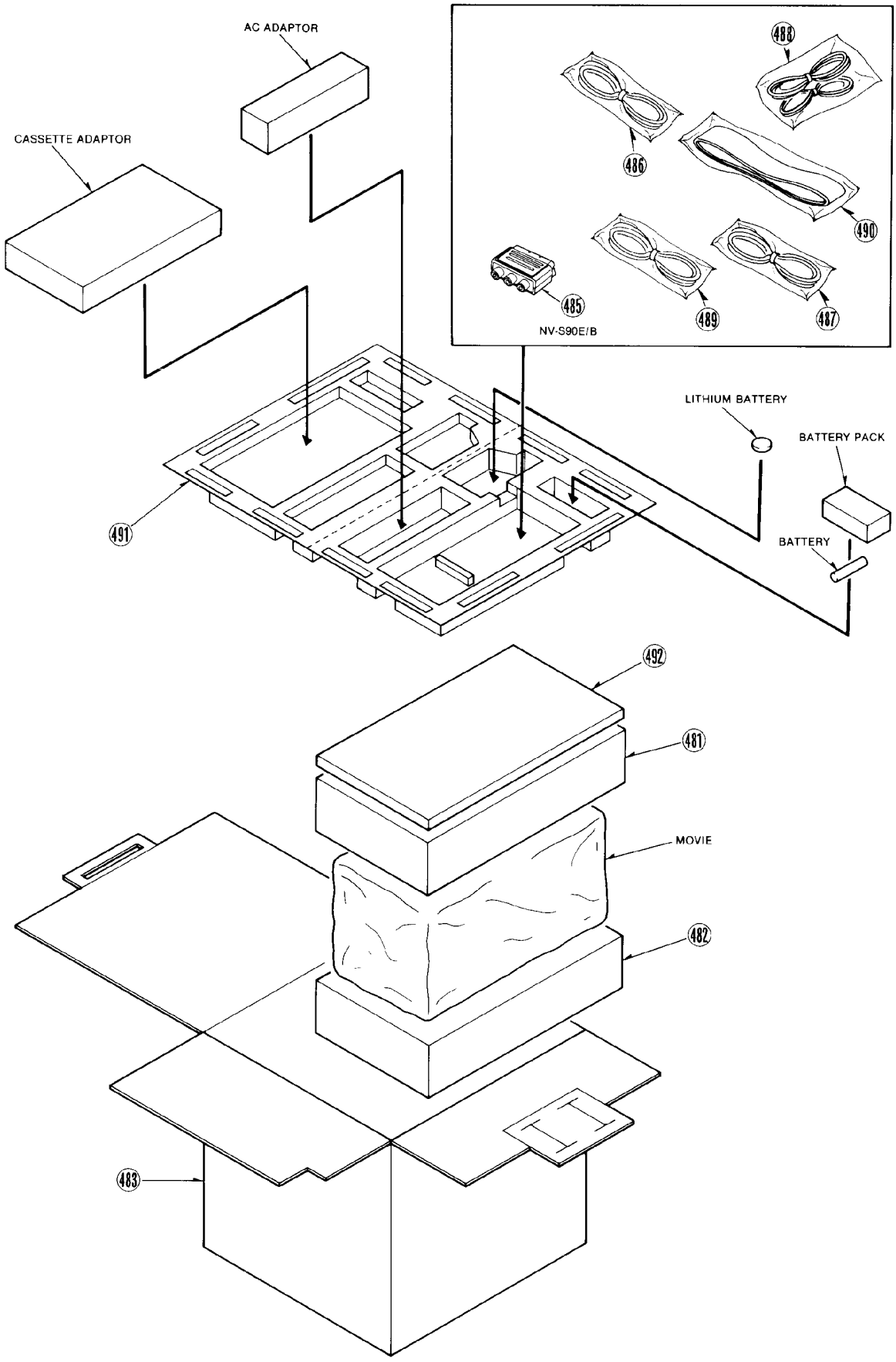
❺ FRAME & CASING PARTS SECTION (1)



❻ FRAME & CASING PARTS SECTION (2)



❼ PACKING PARTS & ACCESSORIES SECTION



4-2. MECHANICAL REPLACEMENT PARTS LIST

Note:1.* Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1(1)		VDR0226	REEL BASE (S)	1	
2(1)		VDG0821	BRAKE GEAR (A)	1	
3(1)		VDG0822	BRAKE GEAR (B)	1	
4(1)		VDG0823	BRAKE GEAR (C)	1	
5(1)		VEM0417	LOADING MOTOR (1) U.	1	
6(1)		VXA4527	MOTOR HOLDER U.	1	
7(1)		VEK7073	RT CONNECTOR U.	1	
8(1)		VMA8502	T-RING SLIDER	1	
9(1)		VMA8505	TEN-REG.SPRING HOOK	1	
10(1)		VMA8532	PENDULUM ARM HOLDER	1	
11(1)		VMB2362	T3 ARM SPRING	1	
12(1)		VMB2365	AC HEAD SPRING	1	
13(1)		VXA5108	S-GUIDE STAND U.	1	
14(1)		VMD1851	T-BOAT GUIDE	1	
15(1)		VSR0096	MODE SWITCH U.	1	
16(1)		VXA4515	LOCK BASE U.	1	
17(1)		VXA4517	LOADING RING U.	1	
18(1)		VMD1824	RING GUIDE	1	
19(1)		VXA4518	T-RING U.	1	
20(1)		VXA4519	S-RING U.	1	
21(1)		VEK5549	LED U.	1	
22(1)		VMD1828	T-RAIL	1	
23(1)		VXA4776	T-BOAT U.	1	
24(1)		VXA4528	T4 POST U.	1	
25(1)		VXA4997	T-REEL SENSOR U.	1	
26(1)		VXA5153	S-RAIL U.	1	
27(1)		VXA5124	S-BOAT U.	1	
28(1)		VXA5201	AC HEAD U.	1	
29(1)		VXL2393	EJECT LEVER (1)U.	1	
30(1)		VXL2133	SWING ARM U.	1	
31(1)		VXL2415	T3 ARM U.	1	
32(1)		VXL2139	PINCH ARM U.	1	
33(1)		VXL2140	PINCH DRIVE ARM U.	1	
34(1)		VMB2363	PINCH PRESSURE SPRING	1	
35(1)		VXL2144	PAD ARM U.	1	
36(1)		VXL2145	TEN-REG. ARM U.	1	
37(1)		VMB2364	TEN-REG. SPRING	1	
38(1)		VXL2147	IDLER U.	1	
39(1)		VXP1308	RELAY GEAR U.	1	
40(1)		VXP1313	T-DRIVE GEAR U.	1	
41(1)		VEG1096	CYLINDER U.	1	
51(1)		VMB2369	LOCK SPRING	1	
52(1)		VXS0120	EARTH BRUSH U.	1	
58(1)		VMB2661	S-GUIDE SPRING	1	
B1(1)		XQN14+B25FY	SCREW	2	
B2(1)		XQN14+A14	SCREW	2	
B3(1)		XQN14+B2	SCREW	13	
B4(1)		XQN14+BJ35	SCREW	1	
B5(1)		XQN14+B25FY	SCREW	3	
B6(1)		XQN14+B25FY	SCREW	1	
B7(1)		XQN14+B25FY	SCREW	1	
B8(1)		XQN14+C35R	SCREW	3	
B9(1)		VHD0711	SCREW	2	
B10(1)		VHD0700	SCREW	1	
B11(1)		VHD0699	SCREW	1	
B12(1)		XQN14+C2	SCREW	2	
N1(1)		VHN0047	NUT	1	
N2(1)		VHN0175	NUT	1	
N3(1)		VHN0172	NUT	1	
W1(1)		VMX2027	WASHER	6	
W2(1)		VMX2026	WASHER	7	
W3(1)		VMX2051	WASHER	1	
W4(1)		XWGV12Z3G	WASHER	2	
W5(1)		XWGV12Y3G	WASHER	5	
W6(1)		VMX2026	WASHER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
101(2)		VDV0232	CAPSTAN BELT	1	
104(2)		VMD1846	CAPSTAN STOPPER	1	
105(2)		VMZ1871	BARRIER	1	
106(2)		VSH0055	REC SAFETY SW U.	2	
107(2)		VWJ0719	MECH.FLEXIBLE CARD	1	
108(2)		VXA4511	PHOTO (L) U.	1	
109(2)		VXA4514	PHOTO (R) U.	1	
110(2)		VXA4997	T-REEL SENSOR U.	1	
111(2)		VDB1129	LOWER BEARING	1	
112(2)		VEK5516	STATOR U.	1	
113(2)		VBK0059	MR HEAD	1	
114(2)		VXD0134	HOUSING U.	1	
115(2)		VXP1303	ROTOR U.	1	
118(2)		VJB02436	DRIVE FLEX.CARD	1	
B101(2)		VHD0681	SCREW	2	
B102(2)		VHD0593	SCREW	1	
B103(2)		XQN14+B2	SCREW	1	
B104(2)		XQN14+C2R	SCREW	5	
B106(2)		XQN14+A3	SCREW	3	
B107(2)		XQN14+CF4	SCREW	2	
151(3)		VXA5198	GARAGE U.	1	
152(3)		VXA5199	HOLDER U.	1	
153(3)		VXA4863	GARAGE (1) U.	1	
154(3)		VXA4510	STAND (L) U.	1	
155(3)		VXA4511	PHOTO (L) U.	1	
156(3)		VXA4513	STAND (R) U.	1	
157(3)		VXA4514	PHOTO (R) U.	1	
158(3)		VXL2222	TAPE GUIDE U.	1	
159(3)		VXP1472	DUMPER	1	
160(3)		VMB2367	UP SPRING (R)	1	
161(3)		VMB2368	UP SPRING (L)	1	
162(3)		VMP4104	MAIN FRAME	1	
163(3)		VMZ2231	INNER COVER	1	
164(3)		VMD1873	TRIPOD FRAME	1	
170(3)		VMP4103	BOTTOM FRAME	1	
173(3)		VWJ0548	PHOTO FLEX.CARD	1	
174(3)		VDG0827	DUMPER RELAY GEAR	1	
175(3)		VML2580	TAPE OPEN LEVER	1	
176(3)		VDP1406	ARM HOLDER	2	
178(3)		VMB2498	TAPE GUIDE SPRING	1	
180(3)		VGQ3137	INSULATION PIECE (A)	2	
181(3)		VGQ3295	INSULATION PIECE (B)	1	
B151(3)		VHD0776	SCREW	1	
B152(3)		VHD0713	SCREW	2	
B153(3)		XQN14+B2	SCREW	2	
B154(3)		XQN14+C2R	SCREW	4	
B155(3)		XQN16+AJ8	SCREW	1	
B156(3)		XQN14+CM2	SCREW	1	
B157(3)		XQS14+A25FZ	SCREW	1	
B158(3)		XQN2+C2	SCREW	2	
B159(3)		XQN2+CF4	SCREW	1	
B160(3)		XQN2+AJ4	SCREW	1	
B161(3)		XQN2+C2FZ	SCREW	2	
B162(3)		XQN2+C4	SCREW	1	
B163(3)		XQN2+CF5	SCREW	1	
B164(3)		XQN2+C5	SCREW	2	
W151(3)		VMX1042	WASHER	6	
W152(3)		VMX1061	WASHER	3	
201(4)		VDL0339	CRYSTAL FILTER	1	
202(4)		VEK7144	CCD UNIT	1	
203(4)		VMX2239	CCD CUSHION	1	
204(4)		VXW0173	LENS U.	1	
205(4)		EVAWMCJ02B14	ZOOM ENCODER U.	1	
206(4)		VDW0259	CRYSTAL MOUNT PLATE	1	
207(4)		VEM0450	ZOOM MOTOR U.	1	
208(4)		VEM0451	FOCUS MOTOR U.	1	
209(4)		VMS5384	Z GUIDE POLE	2	
210(4)		VMS5385	F GUIDE POLE	2	
211(4)		VXL2370	IRIS U.	1	
212(4)		VXP1412	2ND. MOVING FRAME U.	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
213(4)		VXP1413	SCREW SHAFT U.	1	
214(4)		VXP1414	4TH. MOVING FRAME U.	1	
215(4)		VXQ0356	MAIN FRAME U.	1	
216(4)		VXQ0357	3RD. MOVING FRAME U.	1	
217(4)		VEK6690	LENS FLEX. U.	1	
218(4)		VSC3771	CCD SHIELD CASE	1	
B201(4)		XQN16+CJ5	SCREW	14	
B202(4)		XQN16+CJ6	SCREW	2	
305(5)		VKF1707	BATTERY COVER	1	
306(5)		VYK4655	CASSETTE LOCK ANGLE U.	1	
308(5)		VYK5873	SIDE CASE (L)(1)U.	1	
309(5)		VGQ3139	BATT. LOCK HOLD PLATE	1	
310(5)		VGQ3352	BATT. LOCK LEVER	1	
311(5)		VMB2483	BATT. LOCK SPRING	1	
312(5)		VMZ2215	BATT. BLIND BARRIER	1	
313(5)		VMP3909	HINGE(A)	1	
314(5)		VMS4762	SHAFT	1	
315(5)		VMB2669	SPRING	1	
316(5)		VYF2087	HOOD CAP U.	1	
317(5)		VEK6533	ZOOM BUTTON U.	1	
318(5)		VGU6399	SNAPSHOT BUTTON	1	
319(5)		VGU6428	LOCK RELEACE (EJECT) KNOB	1	
320(5)		VYP5599	CASSETTE COVER (1) UNIT	1	
321(5)		VMP4340	CAMERA FRAME	1	
322(5)		VEK6587	DEW SENSOR U.	1	
323(5)		VMP3910	HINGE(B)	1	
324(5)		VGQ3281	CASSETTE HOLDER	1	
325(5)		VYC0627	GRIP BELT U.	1	
326(5)		VMP3912	CASSETTE LOCK ANGLE HOLDER	1	
327(5)		VMC0992	CASSETTE DOWN SPRING	1	
328(5)		VXU1255	S/S BUTTON UNIT	1	
337(5)		VYK4656	CASSETTE LOCK ANGLE (B)U.	1	
338(5)		VMB2384	CASSETTE LOCK SPRING	1	
339(5)		VKM3880	S-JACK PIECE	1	
340(5)		VKF2194	S-JACK COVER	1	
341(5)		VSC3844	CCD SHIELD CASE (UPPER)	1	
342(5)		VWJ18C8090AA	CAM-VTR FLEX. CARD	1	
344(5)		VWJ16C8070AA	CAM-POWER FLEX.CARD	1	
345(5)		VGQ3315	HOOKING BLINDER SHEET	1	
346(5)		VMZ2220	BATT. BLINDER BARRIER (B)	1	
347(5)		VEP00U47A	SIDE (R) FLEX.CARD	1	
348(5)		VMD2170	REINFORCEMENT ANGLE	1	
349(5)		VMZ2236	BARRIER	1	
350(5)		VGQ5800	SNAPSHOT BUTTON SPACER	1	
351(5)		VMX2307	S-JACK SPACER	1	
B301(5)		VHD0729	SCREW	11	
B302(5)		XQN2+CJ8FZ	SCREW	1	
B303(5)		XQN2+CJ6FZ	SCREW	10	
B304(5)		XQN2+C4FZ	SCREW	3	
B305(5)		XQS2+CJ6FZ	SCREW	1	
B306(5)		XQN2+CF55FZ	SCREW	2	
B307(5)		XQS2+C3FZ	SCREW	2	
B308(5)		XQN2+CF3	SCREW	2	
B309(5)		XQN2+CF5	SCREW	5	
B310(5)		XQN2+AJ4	SCREW	2	
B311(5)		XTB2+4G	SCREW	4	
B312(5)		XQN2+CJ4FC	SCREW	2	
B313(5)		XQN14+C2	SCREW	1	
E301(5)		XUC2FP	E-RING	1	
401(6)		VEE9023	EVF CONNECTOR CABLE	1	
403(6)		VMP4169	VTR OPERATION HOLD PLATE	1	
404(6)		VGU6606	MODE BUTTON	1	
405(6)		VYK5869	VTR OPETRATION PANEL U.	1	
406(6)		VGQ3495	CURSOR	1	
407(6)		VKM3881	TOP CASE	1	
408(6)		VGL0575	PANEL LIGHT	1	
409(6)		VMB2531	MODE KNOB SPRING	1	
410(6)		VGU6607	MODE SELECT LEVER	1	
411(6)		VYK5866	SIDE CASE (R)(1)U.	1	NV-S90E
411(6)		VYK6072	SIDE CASE (R)(1)U.	1	NV-S90B/A
411(6)		VYK6100	SIDE CASE (R)(1)U.	1	NV-S900EN

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
412(6)		VGU6605	Hi-Fi SELECT KNOB	1	
413(6)		VGU6604	CAMERA OPERATION BUTTON	1	
415(6)		VKF2246	AV JACK DOOR	1	
418(6)		VYK5871	FRONT CASE (1)U.	1	
419(6)		VGQ3560	FRONT EARTH PLATE	1	
420(6)		VGQ3306	IR PLATE SPACER	1	
421(6)		VDL0397	IR CUT FILTER	1	
422(6)		VGQ3310	IR PLATE HOLDER	1	
423(6)		VMP4171	FRONT FIXING ANGLE (B)	1	
424(6)		VMP4107	FRONT FIXING ANGLE (A)	1	
425(6)		VKW1806	PROTECTION PANEL	1	
426(6)		VYF2065	LENS HOOD U.	1	
431(6)		VKM3878	EVF CASE (R)	1	NV-S90E/B/A
431(6)		VKM3879	EVF CASE (R)	1	NV-S900EN
432(6)		VKM3877	EVF CASE (L)	1	
433(6)		M01KUA07WB03	ITC	1	
434(6)		VYQ1036	SLIDE CASE U.	1	
437(6)		VMG0631	EYE CAP	1	
440(6)		VEE8588	MIC CONNECTOR CABLE	1	
441(6)		ESU39014	VTR OPETRATION (1) U.	1	
442(6)		VDW0261	FOCUS RING	1	
443(6)		VDW026O	FOCUS RING FRONT FRAME	1	
444(6)		VDW0262	FOCUS RING REAR FRAME	1	
445(6)		VGQ3122	ROTARY PIECE	1	
446(6)		VMC0975	ROTATION LOCK SPRING	1	
447(6)		VGQ3621	EVF ROTARY BARRIER	1	
448(6)		VGQ3497	EVF CASE HOLDER	1	
449(6)		VGQ3493	HOLDER GUIDE	1	
450(6)		VMC0978	SLIDE SPRING	2	
451(6)		VGQ3500	CRT HOLDER (L)	1	
452(6)		VGQ3501	CRT HOLDER (R)	1	
452(6)		VGQ3501	CRT HOLDER (R)	1	
453(6)		VGU6609	TRACKING BUTTON	1	
454(6)		VEK7130	CAMERA OPERATION U.	1	
455(6)		VGU6610	FOCUS BUTTON	1	
456(6)		VEK7129	VTR OPETRATION (2) U.	1	
457(6)		VGU6608	AGS KNOB	1	
458(6)		VGQ3494	BLIND PIECE	1	
459(6)		VEK7117	M.F FLEX. U.	1	
460(6)		VMZ2236	VTR OPERATION BARRIER	1	
461(6)		VGQ3660	LENS BARRIER	1	
B401(6)		VHD0584	SCREW	2	
B402(6)		VHD0729	SCREW	6	
B403(6)		VHD0793	SCREW	2	
B404(6)		XTB2+4G	SCREW	14	
B405(6)		XQS2+CQ3	SCREW	2	
B406(6)		XQN2+CF8	SCREW	2	
B407(6)		XQN2+CF6FZ	SCREW	1	
B408(6)		XQN16+CJ4	SCREW	8	
B409(6)		XQN2+CF4	SCREW	1	
B410(6)		XQN2+CJ4	SCREW	3	
B411(6)		XTB2+16GFZ	SCREW	2	
B412(6)		XQN2+CF55FZ	SCREW	3	
B413(6)		XTB2+8G	SCREW	2	
B414(6)		XTB2+6GFZ	SCREW	3	
B415(6)		XQN16+CJ5	SCREW	3	
B416(6)		VHD0794	SCREW	2	
481(7)		VPN3741	CUSHION (UPPER)	1	
482(7)		VPN3742	CUSHION (LOWER)	1	
483(7)		VPG7510	PACKING CASE	1	NV-S90E
483(7)		VPG7511	PACKING CASE	1	NV-S90B
483(7)		VPG7513	PACKING CASE	1	NV-S90A
483(7)		VPG7512	PACKING CASE	1	NV-S900EN
485(7)		VFA0151	21 PIN ADAPTOR	1	NV-S90E/B
486(7)		VJA0664	AC CABLE	1	NV-S90E,S900EN
486(7)		VJA0733	AC CABLE	1	NV-S90B
486(7)		VJA0754	AC CABLE	1	NV-S90A
487(7)		VJA0769	DC INPUT CABLE	1	
488(7)		VJA0788	AV OUTPUT CABLE	1	
489(7)		VJA0658	4PIN S-VHS CABLE	1	
490(7)		VFC1757	SHOLDER STRAP	1	
491(7)		VPN3619	ACCESSORY BOX	1	
492(7)		VQT5745	OPERATING INSTRUCTIONS	1	NV-S90E

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			(ENGLISH/GERMAN/FRENCH		
			/SPANISH)		
492(7)		VQT5746	OPERATING INSTRUCTIONS	1	NV-S90E
			(ITALIAN/DUTCH/SWEDISH		
			/DANISH)		
492(7)		VQT5742	OPERATING INSTRUCTIONS	1	NV-S90B
			(ENGLISH)		
492(7)		VQT5743	OPERATING INSTRUCTIONS	1	NV-S90A
			(ENGLISH)		
492(7)		VQT5744	OPERATING INSTRUCTIONS	1	NV-S900EN
			(ENGLISH/CHINESE/ARABIC		
			/HINDI)		
			**** JIG & TOOLS *****		
			------ ELECTRICAL -------		
		VFM180HUPF	VHS-C ALIGMENT TAPE	1	PAL
		VFK0374	COLOUR TEMP.CONV.FILRTER	1	(C12) OR VFK0713
		VFK0375	COLOUR TEMP.CONV.FILRTER	1	(C2) OR VFK0716
		VFK0644	EVR FIXTURE	1	
		VFK0701ROM25	ROM	1	FOR EVR FIXTURE
		VFK0766A	EVR CONNECTION CABLE 5P	1	FOR EVR FIXTURE
		VFK0734W	MEASUREMENT CABLE 24P	1	FOR EVR FIXTURE
		VFK0668	FLAT CABLE 24P	1	
		VFK0723	EXTENSION CABLE 22P	1	
		VFK0841	EXTENSION CABLE 20P	1	
		VFK0894	EXTENSION CABLE 5P	1	
		VFK0913	FLAT CABLE 18P	1	
		VFK0933	FLAT CABLE 10P	1	
		VFK0949	FLAT CABLE 22P	1	
		VFK0972	FLAT CABLE 16P	1	
		VFK0978	FLAT CABLE 6P	1	
		VFK0979	FLAT CABLE 16P	1	
		VFK0980	FLAT CABLE 9P	1	
			---- MECHANICAL ------		
		VFK0743	H-POSITION ADJUSTMENT	1	
		VFK0824	ASTERISK TYPE RENCH	1	
		VFK0335	RETAINING RING REMOVER	1	
		VFK0329	POST ADJ. SCREW DRIVER	1	
		VFK0326	HEX WRENCH SET	1	
		VFK27	HEAD CLEANING STICK	1	
		MOR265	MORLTONE GREASE	1	

4-3. ELECTRICAL REPLACEMENT PARTS LIST

Note:1.Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE : Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.
3.Unless otherwise specified,
All resistors are in OHMS , K=1,000 OHMS. All capacitors are in MICRO-FARADS(uF),P=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.
5.The marking(RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP23207A	CAMERA MAIN C.B.A.	1	(RTL)
			(Page:4-11)		
		VEP22123D	CCD FLEX. CARD C.B.A.	1	(RTL)
			(Page:4-14)		
		VEK6690	LENS FLEX. C.B.A.	1	(RTL)
			(Page:4-14)		
		VEP23208A	AWT SENSOR C.B.A.	1	(RTL)
			(Page:4-14)		
		VEK7130	CAMERA OPERATION UNIT	1	(RTL)
			(Page:4-14)		
		VEK7117	M.F FLEX UNIT	1	
			(Page:4-14)		
		VEP28086B	E.V.F. C.B.A.	1	(RTL)
			(Page:4-15)		
		VEK7189	MIC UNIT C.B.A.	1	
			(Page:4-15)		
		VEP03B12A	VTR MAIN C.B.A.	1	(RTL)
			(Page:4-15)		
		VEP01593A	POWER C.B.A.	1	(RTL)
			(Page:4-22)		
		ESU39014	VTR OPERATION C.B.A.	1	
			(Page:4-23)		
		VEP00U49A	INTERFACE (1) C.B.A.	1	(RTL)
			(Page:4-23)		
		VEP06899A	INTERFACE (2) C.B.A.	1	(RTL)
			(Page:4-23)		
		VEP02418A	DRIVE C.B.A.	1	(RTL)
			(Page:4-24)		
		VEK7134	AV JACK C.B.A.	1	(RTL)
			(Page:4-24)		
		VEK6547	EJECT C.B.A.	1	(RTL)
			(Page:4-24)		
		VEK6577	S/S C.B.A.	1	(RTL)
			(Page:4-24)		
		VEK7135	S-JACK C.B.A.	1	(RTL)
			(Page:4-24)		
		VEK6549	SNAP C.B.A.	1	(RTL)
			(Page:4-24)		
	■	VEP23207A	CAMERA MAIN C.B.A.		(RTL)
B201		VJP3358C01Z	CONNECTOR (MALE) 12P	1	
B301		VJP2962A022	CONNECTOR (MALE) 22P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
B302		VJP2962A024	CONNECTOR (MALE) 24P	1	
C201,02		ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C204		ECUX1H100CCV	C.CAPACITOR 50V 10P	1	
C206		ECUX1H100CCV	C.CAPACITOR 50V 10P	1	
C209		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C210-13		ECUX1C1042FV	C.CAPACITOR CH 16V 0.1U	4	
C217		ECST1DX475Z	T.CAPACITOR 20V 4.7U	1	
C218		ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C219		ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C224		ECST1AX156Z	T.CAPACITOR 10V 15U	1	
C225		ECST1CY475Z	E.CAPACITOR 16V 47U	1	
C226		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C227		ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C228		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C229		ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C230		ECUX1C1042FV	C.CAPACITOR CH 16V 0.1U	1	
C231		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C232		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C233-36		ECUX1C1042FV	C.CAPACITOR CH 16V 0.1U	4	
C237		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C238-40		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	3	
C244,45		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C246,47		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	2	
C248,49		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C250		ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C252		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C254		ECUX1H100CCV	C.CAPACITOR 50V 10P	1	
C255		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C260		ECUX1C1042FV	C.CAPACITOR CH 16V 0.1U	1	
C261		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C270		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C271		ECUX1C1042FV	C.CAPACITOR CH 16V 0.1U	1	
C272		ECUX1H080CCV	C.CAPACITOR CH 50V 8P	1	
C273		ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C274		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C275		ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C276		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C278		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C280,81		ECUX1H100CCV	C.CAPACITOR 50V 10P	2	
C282		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C284		ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C285,86		ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C287		ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C288		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C289,90		ECUX1H100CCV	C.CAPACITOR 50V 10P	2	
C291-96		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	6	
C298,99		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C301		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C302		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C304,05		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C306		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C307,08		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C309		ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C311,12		ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C313,14		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C316-18		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C319		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C321		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C325,26		ECUM1C105ZFM	C.CAPACITOR CH 16V 1U	2	
C328		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C329		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C330		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C331-33		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C334		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C335		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C336		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C338		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C339-41		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C342		ECUX1C104ZFV	T.CAPACITOR 6.3V 10U	1	
C343		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C345		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C346		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C348		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C349		ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C350		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C351,52		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C354-56		ECST0JY106Z	T.CAPACITOR 6.3V 10U	3	
C358		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C373,74		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C378,79		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C380		ECST1DX475Z	T.CAPACITOR 20V 4.7U	1	
C381		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C701		ECST1CY105Z	T.CAPACITOR 16V 1U	1	
C702		ECUX1H473ZFV	C.CAPACITOR CH 50V 0.047U	1	
C703		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C710		ECUX1H473ZFV	C.CAPACITOR CH 50V 0.047U	1	
C711		ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C712		ECEV1CG470	E.CAPACITOR 16V 47	1	
C716		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C719		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C721		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C722		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C724,25		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C729		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C731		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C732		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C737		ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C738,39		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C779		ECUM1C105ZFM	C.CAPACITOR CH 16V 1U	1	
D201-04		1SS355	DIODE	4	
D205		MA728	DIODE	1	
D206		1SS355	DIODE	1	
D208,09		1SS355	DIODE	2	
D280,81		1SS355	DIODE	2	
D301		MA728	DIODE	1	
D304		MA728	DIODE	1	
D306		MA728	DIODE	1	
D307		MA720	DIODE	1	
D308-10		MA728	DIODE	3	
D703		MA132WA	DIODE	1	
FL201		VLF1056	FILTER	1	
FL202		VLF1114M470	FILTER	1	
FL207		VLF1114M470	FILTER	1	
FL301		VLF1115	FILTER	1	
FP301		VJS3320D016	CONNECTOR (FEMALE) 16P	1	
FP302		VJS3319D018	CONNECTOR (FEMALE) 18P	1	
FP701		VJS3320D018	CONNECTOR (FEMALE) 18P	1	
FP702		VJS2958B006	CONNECTOR (FEMALE) 6P	1	
IC201		VEFH4GA	IC	1	
IC203		NN2038FAQ	IC	1	
IC205		MN5203	IC	1	
IC206		TC7SH32FTL	IC	1	
IC207		SC7S08F	IC	1	
IC249		TC7SH08FU	IC	1	
IC250		T74VHC74FS	IC	1	
IC251		MN7A010MVB1	IC	1	
IC252		TC7SHU04FU	IC	1	
IC253		TC7SH04FU	IC	1	
IC254-56		TC7SH08FU	IC	3	
IC257		TC7SH04FU	IC	1	
IC258,59		TC7SH08FU	IC	2	
IC301		MN65761T	IC	1	
IC304		CF43105PM	IC	1	
IC305		MN1864002M3W	IC	1	
IC306		MN7A004VSW	IC	1	
IC307		AK644CHF	IC	1	
IC308		MN673211M2U	IC	1	
IC309		L7A1362	IC	1	
IC310		SC7S08F	IC	1	
IC311		ZA4035	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC313		T90CK78F3406	IC	1	
IC314		MB88346LPFV	IC	1	
IC315		MN65703T	IC	1	
IC316		MB88346LPFV	IC	1	
IC317		SC7S08F	IC	1	
IC318		RN5RG31AA	IC	1	
IC319		TC7S66F	IC	1	
IC320		TA75W01FU	IC	1	
IC321		TC7S66F	IC	1	
IC705-07		LM324DB	IC	3	
IC708		TB6512AF	IC	1	
IC709		TC4S584F	IC	1	
L201-05		VLQ0426J150	COIL 15UH	5	
L206		VLQ0426J680	COIL 68UH	1	
L207		VLQ0426J150	COIL 15UH	1	
L208		VLQ0426J220	COIL 22UH	1	
L209		VLQ0426J150	COIL 15UH	1	
L210,11		VLP0146	COIL	2	
L212		VLQ0426J150	COIL 15UH	1	
L213		VLP0146	COIL	1	
L214		VLQ0556	COIL	1	
L215,16		VLP0154	COIL	2	
L220		VLP0154	COIL	1	
L221,22		VLP0155	COIL H	2	
L223		VLQ0464	COIL	1	
L270		VLQ0426J1R0	COIL H	1	
L271		VLP0172	COIL H	1	
L272		VLQ0426J150	COIL 15UH	1	
L274		VLQ0426JR47	COIL H	1	
L301,02		VLQ0464	COIL	2	
L304-08		VLQ0464	COIL	5	
L309		ELJPA150KB	COIL	1	
L310,11		VLQ0464	COIL	2	
L312		ELJPA150KB	COIL	1	
L313-15		VLQ0464	COIL	3	
L317		VLQ0426J150	COIL 15UH	1	
L318,19		VLQ0464	COIL	2	
L321		VLP0146	COIL	1	
L324-28		VLP0146	COIL	5	
L330-33		VLP0146	COIL	4	
L334		VLP0171	COIL	1	
L335		VLP0146	COIL	1	
L336		VLP0171	COIL	1	
L701-03		VLQ0464	COIL	3	
L706,07		VLQ0464	COIL	2	
P301		VJP3125D005	CONNECTOR (MALE) 5P	1	
Q201		UPA674T	TRANSISTOR	1	
Q202		2SD2216	TRANSISTOR	1	
Q203		2SB1462	TRANSISTOR	1	
Q206		2SD2216	TRANSISTOR	1	
Q280,81		UPA674T	TRANSISTOR	2	
Q301		2SB1202-S	TRANSISTOR	1	
Q302		2SC4627	TRANSISTOR	1	
Q303,04		2SA1790	TRANSISTOR	2	
Q305		2SB1462	TRANSISTOR	1	
Q307		XP1501	TRANSISTOR-RESISTOR	1	
Q308		XP1212	TRANSISTOR-TRANSISTOR	1	
Q701		XN1401	TRANSISTOR-TRANSISTOR	1	
Q702		XP4401	TRANSISTOR-RESISTOR	1	
Q703		2SD874	TRANSISTOR	1	
Q704		2SD601A	TRANSISTOR	1	
Q705		2SD2216	TRANSISTOR	1	
Q706		XP1501	TRANSISTOR-RESISTOR	1	
Q707,08		XP4501	TRANSISTOR-RESISTOR	2	
QR301,02		UN9212	TRANSISTOR-RESISTOR	2	
QR303		UN921D	TRANSISTOR-RESISTOR	1	
QR304		XP1213	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR701,02	UN9211	TRANSISTOR-RESISTOR	2	
R201	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R202	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R203	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R205	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R206	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R207	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R212	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R213	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R214,15	ERJ2GEJ330	M.RESISTOR CH 2W 33	2	
R216	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R217,18	ERJ2GEJ330	M.RESISTOR CH 2W 33	2	
R221	ERJ2GEJ221	M.RESISTOR CH 2W 220	1	
R222	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R223-25	ERJ2GEJ102	M.RESISTOR CH 2W 1K	3	
R228	ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R229,30	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	2	
R231,32	ERJ2GEJ101	M.RESISTOR CH 2W 1K	2	
R233	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R234-36	ERJ2GEJ101	M.RESISTOR CH 2W 1K	3	
R237	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R238	ERJ2GEJ823	M.RESISTOR CH 2W 82K	1	
R239	ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R240	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R241	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R243	ERJ2GEJ470	M.RESISTOR CH 2W 47	1	
R244	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R245,46	ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R248	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R249,50	ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	2	
R251,52	ERJ2GE0R00	M.RESISTOR CH 2W 0	2	
R260	ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R270	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R271	ERJ2GEJ470	M.RESISTOR CH 2W 47	1	
R272	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R273	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R274	ERJ2GEJ470	M.RESISTOR CH 2W 47	1	
R275,76	ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R277	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R278,79	ERJ2GEJ470	M.RESISTOR CH 2W 47	2	
R280	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R281	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R282	ERJ2GEJ470	M.RESISTOR CH 2W 47	1	
R283	ERJ2GEJ330	M.RESISTOR CH 2W 33	1	
R285	ERJ2GEJ150	M.RESISTOR CH 2W 15	1	
R286	ERJ2GEJ271	M.RESISTOR CH 2W 270	1	
R287,88	ERJ2GEJ150	M.RESISTOR CH 2W 15	2	
R290,91	ERJ2GEJ330	M.RESISTOR CH 2W 33	2	
R293	ERJ2GEJ150	M.RESISTOR CH 2W 15	1	
R294	ERJ2GEJ330	M.RESISTOR CH 2W 33	1	
R295	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R296,97	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R298	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R301,02	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	2	
R303	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R304	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R305	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R306	ERJ2GEJ183	M.RESISTOR CH 2W 18K	1	
R307	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R309	ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R310,11	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R312	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R313	ERJ2GEJ123	M.RESISTOR CH 2W 12K	1	
R314	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R315	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R316	ERJ2GEJ122	M.RESISTOR CH 2W 1.2K	1	
R318	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R319	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R320	ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R321	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R322-24	ERJ2GEJ473	M.RESISTOR CH 2W 47K	3	
R325	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R326	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R327,28	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R330	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R333,34	ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R338	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R339	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R340	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R341	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R344	ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R345-47	ERJ2GEJ102	M.RESISTOR CH 2W 1K	3	
R348	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R353	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R354,55	ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R356-58	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	3	
R359	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R361	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R362,63	ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R367	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R372	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R373	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R375	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R376	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R379	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R380	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R381	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R382	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R384	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R385-87	ERJ2GEJ223	M.RESISTOR CH 2W 22K	3	
R388	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R389	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R390-92	ERJ2GEJ473	M.RESISTOR CH 2W 47K	3	
R401	ERJ2GEJ562	M.RESISTOR CH 2W 5.6K	1	
R402	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R403	ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R404	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R405	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R406	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R407	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R408	ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R410	ERJ2GEJ562	M.RESISTOR CH 2W 5.6K	1	
R411	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R412	ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R413	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R414	ERJ2GEJ123	M.RESISTOR CH 2W 12K	1	
R415	ERJ2GEJ331	M.RESISTOR CH 2W 330	1	
R416-79	ERJ2GEJ102	M.RESISTOR CH 2W 1K	64	
R480	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R481	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R482	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R701	ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R702,03	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	2	
R704	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R705	VRE0071E333	M.RESISTOR CH 1/10W	1	
R708	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R709	VRE0071E333	M.RESISTOR CH 1/10W	1	
R710	VRE0071E123	M.RESISTOR	1	
R711	VRE0071E102	M.RESISTOR CH 1/10W	1	
R712	VRE0071E152	M.RESISTOR CH 1/10W	1	
R713	VRE0071E561	M.RESISTOR	1	
R714	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R715,16	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	2	
R717	ERJ2GEJ221	M.RESISTOR CH 2W 220	1	
R718	ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R719	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R720,21	ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R722	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R723	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R724	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R725	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R726	ERJ3GEYG202	M.RESISTOR CH 1/16W 2K	1	
R727	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R728	ERJ2GEJ273	M.RESISTOR CH 2W 27K	1	
R729	ERJ2GEJ183	M.RESISTOR CH 2W 18K	1	
R730	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R731,32	ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R733	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R734,35		ERJ2GEJ123	M.RESISTOR CH 2W 12K	2	
R736		ERJ2GEJ474	M.RESISTOR CH 2W 470K	1	
R737		ERJ2GEJ394	M.RESISTOR CH 2W 390K	1	
R738		ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R739		ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R740		ERJ2GEJ273	M.RESISTOR CH 2W 27K	1	
R741		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R742		ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R743		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R744		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R745		ERJ2GEJ393	M.RESISTOR CH 2W 39K	1	
R746		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R747		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R748		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R749		ERJ3GEYG103	M.RESISTOR CH 1/16W 10K	1	
R750		ERJ3GEYG303	M.RESISTOR CH 1/16W 30K	1	
R751		ERJ2GEJ221	M.RESISTOR CH 2W 220	1	
R752		ERJ2GEJ181	M.RESISTOR CH 2W 180	1	
R753		VRE0071E103	M.RESISTOR CH 1/10W	1	
R754		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R755		VRE0071E103	M.RESISTOR CH 1/10W	1	
R756		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R757		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R759		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R760		ERJ3GEYJ3R3	M.RESISTOR CH 1/16W 3.3	1	
R761		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R764		ERJ3GEYJ3R3	M.RESISTOR CH 1/16W 3.3	1	
R765,66		ERJ2GEJ333	M.RESISTOR CH 2W 33K	2	
R767		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R768		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R769		ERJ2GEJ823	M.RESISTOR CH 2W 82K	1	
RA301-10		EXB24V102JX	V.RESISTOR	10	
RA311		EXB24V473JX	V.RESISTOR	1	
RA321		EXB24V473JX	V.RESISTOR	1	
RA324-27		EXB24V102JX	V.RESISTOR	4	
RA329,30		EXB24V102JX	V.RESISTOR	2	
RA331-33		EXB24V473JX	V.RESISTOR	3	
TH701		VRE0083	TRANSFORMER	1	
X270		VSX0635	CRYSTAL OSCILLATOR	1	
X301		EFOS1605E5	CRYSTAL OSCILLATOR	1	
X302		EFOV8004B0A	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC4051	SHIELD FOR SENSOR IC	1	
		VYQ1029	CAMERA SHIELD UNIT	1	
	■	VEP22123D	CCD FLEX.CARD C.B.A.		(RTL)
B291		VJS3500C012	CONNECTOR (FEMALE) 12P	1	
C292		ECST1VX225Z	T.CAPACITOR 35V 2.2U	1	
C293,C294		ECUM1E473ZFN	C.CAPACITOR 25V 0.047U	2	
C295		ECUM1E104ZFN	C.CAPACITOR 25V 0.1U	1	
D291		MA153	DIODE	1	
Q291		2SC2295	TRANSISTOR	1	
R291		ERJ6GEYG560	M.RESISTOR CH 1/16W 56	1	
R292		ERJ6GEYF472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
W291		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
			MISCELLANEOUS		
		VJB22123	FLEX. CARD	1	
	■	VEK6690	LENS FLEX. C.B.A.		(RTL)
			MISCELLANEOUS		
		ON1004-R	PHOTO SENSOR	1	
	■	VEP23208A	AWT SENSOR C.B.A.		(RTL)
BP401		VJP3130	CONNECTOR (MALE)	1	
C401		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C402		ECST0JY475Z	T.CAPACITOR 6.3V 4.7U	1	
IC401		M52942AFP73C	IC	1	
L401		VLQ0464	COIL	1	
P301		VJS2252	CONNECTOR (FEMALE)	1	
QR401		XN1212	TRANSISTOR-RESISTOR	1	
R401,02		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
			MISCELLANEOUS		
		VEE9026	CABLE	1	
	■	VEK7130	CAMERA OPERATION UNIT		(RTL)
B501		VJS2961C020	CONNECTOR (FEMALE) 20P	1	
D051-56		LN1251CAL	DIODE	6	
L051		ELJPC6R8KB	COIL	1	
QR051-53		XN4115	TRANSISTOR-RESISTOR	3	
R051		ERJ6GEY331	M.RESISTOR CH 1/10W 330	1	
R052		ERJ6GEY331	M.RESISTOR CH 1/10W 330	1	
R053		ERJ6GEY331	M.RESISTOR CH 1/10W 330	1	
R054		ERJ6GEY331	M.RESISTOR CH 1/10W 330	1	
R055		ERJ6GEY331	M.RESISTOR CH 1/10W 330	1	
R056		ERJ6GEY331	M.RESISTOR CH 1/10W 330	1	
	■	VEK7117	M.F FLEX. UNIT		
			MISCELLANEOUS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		SG-211S	PHOTO SENSOR	2	
	■	VEP28086B	E.V.F. C.B.A.		(RTL)
C801		ECQB1C104JB	P.CAPACITOR CH 16V 0.1U	1	
C802-04		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C805		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C806		ECUX1C123KBV	C.CAPACITOR CH 16V 0.012U	1	
C807		ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C808		ECEV0JG101ZP	E.CAPACITOR 6.3V 100	1	
C809		ECEV1CA470F	E.CAPACITOR 16V 47U	1	
C810		ECUM2A392JUM	C.CAPACITOR 100V 3900P	1	
C811		ECST1AD476Z	T.CAPACITOR 10V 47U	1	
C812		ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C813		ECUM2J221KBM	C.CAPACITOR 630V 220P	1	
C814		ECEV1HA010	E.CAPACITOR 50V 1U	1	
C815		ECUM2H331KBM	C.CAPACITOR 500V 330P	1	
C816		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C817		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C831		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C861		ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C862		ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C863		ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
D803		SFPL-52	DIODE	1	
IC801		AN2516S	IC	1	
L801		VLQ0319K470	COIL 47UH	1	
L802		ELH5L222	COIL H	1	
L804		VLQ0163J680	COIL 68UH	1	
L805		VLQ0319K100	COIL 10UH	1	
L806		ELJPA470KB	COIL	1	
P801		VJP3499D004	CONNECTOR (MALE) 4P	1	
P802		VJP3172B005	CONNECTOR (MALE) 5P	1	
P803		VJP3125D003	CONNECTOR (MALE) 3P	1	
P804		VJP1229T	CONNECTOR (MALE) 2P	1	
Q802		2SD968A-S	TRANSISTOR	1	
Q803,04		2SA1748	TRANSISTOR	2	
Q805,06		2SD2216	TRANSISTOR	2	
QR881		UN5212	TRANSISTOR-RESISTOR	1	
QR882		UN213OX	TRANSISTOR-RESISTOR	1	
R801		ERJ6ENF4422	M.RESISTOR	1	
R802		ERJ6GEYJ3R9	M.RESISTOR CH 1/10W 3.9	1	
R805		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R808		VRE0071E242	M.RESISTOR CH 1/10W	1	
R809		ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R810		VRE0071E104	M.RESISTOR CH 1/10W	1	
R815		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R816,17		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	
R818		ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R819,20		ERJ6GEYJ275	M.RESISTOR CH 1/10W 2.7M	2	
R821		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R823		ERJ3GEYJ8R2	M.RESISTOR CH 1/16W 8.2	1	
R829		ERJ6ENF4222	M.RESISTOR CH	1	
R833		ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R834		ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R835		ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R840		ERJ8GEYJ685	M.RESISTOR CH 1/8W 6.8M	1	
R841,42		ERJ6GEYJ475	M.RESISTOR CH 1/10W 4.7M	2	
R843		ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R844		ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R845		ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R850		VRE0071E822	M.RESISTOR CH 1/10W	1	
R851		VRE0071E392	M.RESISTOR CH 1/10W	1	
R852		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R853		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R855		ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R856		ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R861		ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R862		ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R863		ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R864		ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R883		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
T801		ETP08L27A	TRANSFORMER	1	
VR801		EVM7JSX30BE2	V.RESISTOR	1	
VR803		EVM7TSX00BV6	V.RESISTOR	1	
VR804		EVM7BSX30B26	V.RESISTOR	1	
	■	VEK7189	MIC UNIT C.B.A.		(RTL)
C4301-03		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	3	
C4304		ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4305-07		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C4308		ECEV0SA470	E.CAPACITOR 4V 47U	1	
C4309,10		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	2	
C4311,12		ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U	2	
C4313-16		ECUX1C273KBV	C.CAPACITOR CH 16V 0.27U	4	
C4317,18		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C4321,22		ECST1CY105Z	T.CAPACITOR 16V 1U	2	
C4323,24		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C4330		ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4331		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C4332,33		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
D4301		MA143	DIODE	1	
IC4301		UPC2356GS	IC	1	
J4301		VJJ0319	JACK	1	
P4301		VJP3172B004	CONNECTOR (MALE) 4P	1	
R4301-03		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	3	
R4304		ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4305-08		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	4	
R4309,10		ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R4315,16		ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R4319,20		ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R4321,22		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R4323,24		ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	2	
R4327		ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
			MISCELLANEOUS		
		VSC3921	MIC SHIELD COVER (A)	1	
		VSC3922	MIC SHIELD COVER (B)	1	
	■	VEP03B12A	VTR MAIN C.B.A.		(RTL)
B3001		VJP2962A012	CONNECTOR (MALE) 12P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
B3002	VJP2962C010	CONNECTOR (MALE) 10P	1	
B6001	VJP3126B028	CONNECTOR (MALE) 28P	1	
B6002	VJP2962C026	CONNECTOR (MALE) 26P	1	
B6004	VJP3358C016	CONNECTOR (MALE) 16P	1	
C3002	ECEV0GA470	E.CAPACITOR 4V 47U	1	
C3003,04	ECEV0GA471	E.CAPACITOR 4V 470U	2	
C3005	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3006	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3007	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3008	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3011,12	ECUM1C105MBM	C.CAPACITOR CH 16V 1U	2	
C3013	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3014	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3015	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3016	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3017	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3018	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3019	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3021	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3022	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3023	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3024	ECST0JY1062	T.CAPACITOR 6.3V 10U	1	
C3025	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3026	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3028	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3029	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3030	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3031	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3032	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3033	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3036	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3037	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3041	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3042	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3043	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3044	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3045	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3047	ECST0JY1062	T.CAPACITOR 6.3V 10U	1	
C3048	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3049	ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3050	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3052	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3054	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3055	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3059	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3060	ECEV1EA4R7	E.CAPACITOR 25V 4.7U	1	
C3061	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3062	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3063	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3065	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3070	ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C3071	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3072	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3075	ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3083	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3085	ECUX1H100CCV	C.CAPACITOR 50V 10P	1	
C3087	ECST0JY1062	T.CAPACITOR 6.3V 10U	1	
C3101-04	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C3208	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3210	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3211	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3214	ECUM1E393KBN	C.CAPACITOR CH 25V 0.039U	1	
C3215	ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3501	ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C3502	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3503	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3504	ECST1AY475	T.CAPACITOR 10V 4.7U	1	
C3505	ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3507	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3508	ECUM1C223KBV	C.CAPACITOR CH 16V 0.022U	1	
C3509	ECST1AY475	T.CAPACITOR 10V 4.7U	1	
C3510	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3511	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3512,13	ECST1AY475	T.CAPACITOR 10V 4.7U	2	
C3515	ECUM1H103JCM	C.CAPACITOR CH 50V 0.01U	1	
C3516	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3517	ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3518	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3519	ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3520	ECUX1C153KBV	C.CAPACITOR CH 16V 0.015U	1	
C3521	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3522	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3523	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3524,25	ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C3526	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3527	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3528	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3529	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3530-33	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	4	
C3534	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C3535	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3536,37	ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C3538	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3539	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3540	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3541	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3542	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3543	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C3544	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3545	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3546	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3547	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3548	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3549	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3550	ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C3551	ECST1DX475Z	T.CAPACITOR 20V 4.7U	1	
C3552	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3553	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3560	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C3561	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3562	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C4001	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C4002	ECST1CY225Z	T.CAPACITOR 16V 2.2U	1	
C4004	ECUX1C123KBV	C.CAPACITOR CH 16V 0.012U	1	
C4005	ECST1AY475	T.CAPACITOR 10V 4.7U	1	
C4006	ECST1EY474Z	T.CAPACITOR 25V 0.47U	1	
C4007	ECEV1CA100	E.CAPACITOR 16V 10U	1	
C4008	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C4011	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C4012	ECST1CY225Z	T.CAPACITOR 16V 2.2U	1	
C4013,14	ECEV05A470	E.CAPACITOR 4V 47U	2	
C4015	ECUM1C223KBV	C.CAPACITOR CH 16V 0.022U	1	
C4016	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C4017	ECUM2A472JCM	C.CAPACITOR 100V 4700P	1	
C4018	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C4020	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C4021	ECEV05A470	E.CAPACITOR 4V 47U	1	
C4022	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C4502,03	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C4504,05	ECUM1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C4506,07	ECEV0GA330	E.CAPACITOR 4V 33U	2	
C4508,09	ECUM1C105MBM	C.CAPACITOR CH 16V 1U	2	
C4510,11	ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C4512,13	ECEV05A470	E.CAPACITOR 4V 47U	2	
C4514-19	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C4522	ECEV05A470	E.CAPACITOR 4V 47U	1	
C4524,25	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C4526	ECEV0GA101	E.CAPACITOR 4V 100U	1	
C4527	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4528	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C4529,30	ECEV1CA100	E.CAPACITOR 16V 10U	2	
C4531	ECEV05A470	E.CAPACITOR 4V 47U	1	
C4532,33	ECST1CY335Z	T.CAPACITOR 16V 3.3U	2	
C4534	ECEV0JA220	E.CAPACITOR 6.3V 22U	1	
C4535	ECST1AY475	T.CAPACITOR 10V 4.7U	1	
C4539-41	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	3	
C4542,43	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4545,46	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C4548	ECST1CY335Z	T.CAPACITOR 16V 3.3U	1	
C4549	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C4550,51	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C4552,53	ECST0JX226Z	T.CAPACITOR 6.3V 22U	2	
C4555	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5001	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5002,03	ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C5004	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5009	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5010	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C5011	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5012	ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C5013	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5014	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C5015	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C5016	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5017-23	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	7	
C5024	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C5025-27	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	3	
C5028	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C5029	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5030	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C5031	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5032,33	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C5034	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C5035	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C5036,37	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C5038,39	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C5040-42	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	3	
C5043	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5048	ECUM1C683KBN	C.CAPACITOR 16V 0.68U	1	
C5050	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5051	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C5052	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5053	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C5054	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5055	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C5056	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C5058	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5059,60	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C5061	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5063	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C5085	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C5086	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C5100	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C5101	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C6001-04	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C6005	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6006,07	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C6008	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6011	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6012,13	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C6014-16	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C6017	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6018	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C6019	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6022,23	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C6024,25	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C6026	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6027	ECEV0GA101	E.CAPACITOR 4V 100U	1	
C6028	ECEV1CA100	E.CAPACITOR 16V 10U	1	
C6029	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C6030	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6031	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6032	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6033	ECUM1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C6034,35	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C6037	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6039	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6040	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6041	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6043	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C6044	ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C6045	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6201	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6203	ECEV1CA100	E.CAPACITOR 16V 10U	1	
C6204,05	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C6206	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6207,08	ECEV1CA100	E.CAPACITOR 16V 10U	2	
C6209	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6210	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6211	ECUX1H223ZFV	C.CAPACITOR CH 50V 0.022U	1	
C6213	ECEV0SA470	E.CAPACITOR 4V 47U	1	
C6214	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C6221	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6230	ECEV0JA220	E.CAPACITOR 6.3V 22U	1	
C6231	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6301	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C6305	ECUX1H060CCV	C.CAPACITOR CH 50V 6P	1	
C6309	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6311	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6312	ECUM1C474ZFN	C.CAPACITOR 16V 0.47U	1	
C6315	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6318	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6320	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6321	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6322	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C6324	ECEV0JA101	E.CAPACITOR 6.3V 100U	1	
C6325	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6326	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C6330	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C6331	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C6334	ECUM1E104KBM	C.CAPACITOR CH 25V 0.1U	1	
C6335	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C6336	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6337	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6338	ECFF1H104ZF	C.CAPACITOR 50V 0.1U	1	
C8001	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8002	ECUX1H060CCV	C.CAPACITOR CH 50V 6P	1	
C8003	ECUX1H100CCV	C.CAPACITOR 50V 10P	1	
C8004	ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C8005	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8006	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C8007	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8008	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8009	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C8010	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C8011,12	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C8015	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8017	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C8018	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8019	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C8048	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C8049	ECST1AY475	T.CAPACITOR 10V 4.7U	1	
C8062	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C8063	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C8065	ECUM1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C8066	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C8067	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C8071	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C8072	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8074	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C8076	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C8077	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8078	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8101	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C8102	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C8103	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C8104	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8105	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C8107,08	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
D3001,02	MA729	DIODE	2	
D3003	1SS355	DIODE	1	
D3004	MA729	DIODE	1	
D3011,12	MA133	DIODE	2	
D3203	MA132K	DIODE	1	
D3204	MA133	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D3501		MA133	DIODE	1	
D3502		1SS355	DIODE	1	
D3504		1SS355	DIODE	1	
D4501		MA133	DIODE	1	
D4502,03		MA728	DIODE	2	
D4504		MA132WA	DIODE	1	
D4505		MA8039-L	DIODE	1	
D5001		MA159	DIODE	1	
D5002		MA132WA	DIODE	1	
D5003		1SS355	DIODE	1	
D6004		1SS355	DIODE	1	
D6005		MA728	DIODE	1	
D6007		MA132A	DIODE	1	
D6008		1SS355	DIODE	1	
D6009		MA132WK	DIODE	1	
D6010		MA728	DIODE	1	
D6011		MA132WK	DIODE	1	
D6012,13		MA132WA	DIODE	2	
D6014		BR1102W	DIODE	1	
D6015		MA728	DIODE	1	
D6016,17		MA133	DIODE	2	
D6018		MA728	DIODE	1	
D6201		1SS355	DIODE	1	
D6301		MA132K	DIODE	1	
D6303		MA132WA	DIODE	1	
D6304,05		MA132K	DIODE	2	
D6306		MA142A	DIODE	1	
D8001		1SS355	DIODE	1	
D8010		MA132K	DIODE	1	
D8011		MA728	DIODE	1	
FL3501		VLF1030	FILTER	1	
FP3003		VJS3452C018	CONNECTOR (FEMALE) 18P	1	
FP4001		VJS2958D009	CONNECTOR (FEMALE) 9P	1	
FP5001		VJS2959B023	CONNECTOR (FEMALE) 23P	1	
FP6001		VJS2959B016	CONNECTOR (FEMALE) 16P	1	
FP6002		VJS2959B006	CONNECTOR (FEMALE) 6P	1	
FP6004		VJS2959D010	CONNECTOR (FEMALE) 10P	1	
FP6005		VJS3320D022	CONNECTOR (FEMALE) 22P	1	
IC3001		VEFH25D	IC	1	
IC3002		MN3851MS	IC	1	
IC3003		AN3298NSB	IC	1	
IC3005		BA7071F	IC	1	
IC3501		TA8868AF	IC	1	
IC3502		MN3802AS	IC	1	
IC3503		MN3851MS	IC	1	
IC3504		TC7S66F	IC	1	
IC4501		AN3959FHP	IC	1	
IC4502		BA3308F	IC	1	
IC5001		AN3352FHP	IC	1	
IC6001		MN6755324M2J	IC	1	
IC6002		S3500B3	IC	1	
IC6003		UPD6462GS612	IC	1	
IC6004		UPD4066BG	IC	1	
IC6005		BA6289F	IC	1	
IC6006		TA75W393FU	IC	1	
IC6007		XC62CP3802PR	IC	1	
IC6008		PST9133NR	IC	1	
IC6009		UPD4094BG	IC	1	
IC6010		SC14S66F	IC	1	
IC6301		MN1870824M2V	IC	1	
IC6302		TC7W04F	IC	1	
IC6303		BA7653F	IC	1	
IC6304		TC7WU04F	IC	1	
IC6305		LM393DB	IC	1	
IC6306		S8420KF	IC	1	
IC6307		TC7W04F	IC	1	
IC6308		MN13821-Y	IC	1	
IC8001		VEFH26G	IC	1	
IC8002		TL8841F	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC8003		TC4W53F	IC	1	
L3001		VLQ0319K101	COIL 100UH	1	
L3002		VLQ0319F150	COIL 15UH	1	
L3003		VLQ0426J560	COIL 56UH	1	
L3004		VLQ0319F150	COIL 15UH	1	
L3005		VLQ0163J121	COIL 120UH	1	
L3006		VLQ0426J3R9	COIL 3.9UH	1	
L3007		VLQ0426J150	COIL 15UH	1	
L3009		VLQ0319F150	COIL 15UH	1	
L3010		VLQ0426J470	COIL 47UH	1	
L3011		VLQ0426J150	COIL 15UH	1	
L3012		VLQ0426J100	COIL 10UH	1	
L3015		VLQ0426J680	COIL 68UH	1	
L3017		VLQ0426J680	COIL 68UH	1	
L3018		VLQ0319K680	COIL 68UH	1	
L3019		VLQ0319K221	COIL	1	
L3021		VLQ0426J330	COIL 33UH	1	
L3026		VLQ0319K101	COIL 100UH	1	
L3027		VLQ0426J100	COIL 10UH	1	
L3030		VLQ0426J330	COIL 33UH	1	
L3501,02		VLQ0319K100	COIL 10UH	2	
L3503		ELJFA151KB	COIL	1	
L3504		VLQ0426J470	COIL 47UH	1	
L3505		VLQ0319K100	COIL 10UH	1	
L3506		VLQ0319K101	COIL 100UH	1	
L3507		VLQ0319F150	COIL 15UH	1	
L3508,09		VLQ0426J680	COIL 68UH	2	
L3510		VLQ0426J470	COIL 47UH	1	
L3511		VLQ0426J5R6	COIL 5.6UH	1	
L4001		VLQ0319K470	COIL 47UH	1	
L4002		VLQ0423J153	COIL 15MH	1	
L4003		VLQ0319K101	COIL 100UH	1	
L4501		VLQ0319K330	COIL 39UH	1	
L5001-03		VLQ0319F150	COIL 15UH	3	
L5004		VLQ0319K101	COIL 100UH	1	
L5006		VLQ0401K120	COIL 12UH	1	
L5007,08		VLQ0319K101	COIL 100UH	2	
L5010		VLQ0319F150	COIL 15UH	1	
L6001		ELESP330JA	COIL 33UH	1	
L6002		VLQ0319K101	COIL 100UH	1	
L6302		VLQ0319K101	COIL 100UH	1	
L8001		VLQ0426J270	COIL 27UH	1	
L8002,03		VLQ0426J100	COIL 10UH	2	
L8004		VLQ0319F150	COIL 15UH	1	
L8006		VLQ0426J330	COIL 33UH	1	
L8007		VLQ0319F150	COIL 15UH	1	
L8012		VLQ0319K470	COIL 47UH	1	
L8014		VLQ0163J680	COIL 68UH	1	
L8015		VLQ0426J150	COIL 15UH	1	
L8016		ELJFB471KB	COIL H	1	
L8018		VLQ0426J470	COIL 47UH	1	
P4001		VJP3172B004	CONNECTOR (MALE) 4P	1	
Q3001		2SB970X	TRANSISTOR	1	
Q3002		2SD2216	TRANSISTOR	1	
Q3003		2SC4627	TRANSISTOR	1	
Q3004		2SD2216	TRANSISTOR	1	
Q3005		2SB1462	TRANSISTOR	1	
Q3006		2SD2216	TRANSISTOR	1	
Q3008-10		2SC4627	TRANSISTOR	3	
Q3011		2SB1462	TRANSISTOR	1	
Q3012		2SD2216	TRANSISTOR	1	
Q3014		2SB1462	TRANSISTOR	1	
Q3017		2SB1462	TRANSISTOR	1	
Q3020		2SB970X	TRANSISTOR	1	
Q3021		2SB1462	TRANSISTOR	1	
Q3026		2SD2216	TRANSISTOR	1	
Q3027		2SB1462	TRANSISTOR	1	
Q3501		2SD2216	TRANSISTOR	1	
Q3502-04		2SB1462	TRANSISTOR	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3507	2SD2216	TRANSISTOR	1	
Q3508-10	2SB1462	TRANSISTOR	3	
Q3511	2SD2216	TRANSISTOR	1	
Q3513	2SD2216	TRANSISTOR	1	
Q3514	2SB1462	TRANSISTOR	1	
Q3515	2SC4691	TRANSISTOR	1	
Q3516	2SD2216	TRANSISTOR	1	
Q4001	2SD2216	TRANSISTOR	1	
Q4002	2SD602-R	TRANSISTOR	1	
Q4003	2SD2216	TRANSISTOR	1	
Q4004	XP4501	TRANSISTOR-RESISTOR	1	
Q4005	2SB1219	TRANSISTOR	1	
Q4007	2SB1462	TRANSISTOR	1	
Q4501,02	2SD1979	TRANSISTOR	2	
Q4503,04	2SD2216	TRANSISTOR	2	
Q4507,08	2SD1979	TRANSISTOR	2	
Q4510	2SD2216	TRANSISTOR	1	
Q4515,16	XP4601	TRANSISTOR-RESISTOR	2	
Q5001,02	XN4506	TRANSISTOR-TRANSISTOR	2	
Q5003	2SB970X	TRANSISTOR	1	
Q5004,05	2SA812	TRANSISTOR	2	
Q5006,07	XN1501	TRANSISTOR-TRANSISTOR	2	
Q5010	2SB970X	TRANSISTOR	1	
Q6002	2SD2216	TRANSISTOR	1	
Q6004	2SD2216	TRANSISTOR	1	
Q6005	XP4501	TRANSISTOR-RESISTOR	1	
Q6008,09	2SD2216	TRANSISTOR	2	
Q6012	2SB798	TRANSISTOR	1	
Q6013	XP1501	TRANSISTOR-RESISTOR	1	
Q6201	2SB1462	TRANSISTOR	1	
Q6304	2SK198	TRANSISTOR	1	
Q6305	2SC4627	TRANSISTOR	1	
Q8001,02	2SC4627	TRANSISTOR	2	
Q8003	2SB1462	TRANSISTOR	1	
Q8004,05	2SD2216	TRANSISTOR	2	
Q8006	2SC4627	TRANSISTOR	1	
Q8009	2SD2216	TRANSISTOR	1	
QR3001	UN9211	TRANSISTOR-RESISTOR	1	
QR3002	UN9213	TRANSISTOR-RESISTOR	1	
QR3004	UN9211	TRANSISTOR-RESISTOR	1	
QR3009,10	UN9212	TRANSISTOR-RESISTOR	2	
QR3013,14	UN9212	TRANSISTOR-RESISTOR	2	
QR3016	UN9212	TRANSISTOR-RESISTOR	1	
QR3019	UN9212	TRANSISTOR-RESISTOR	1	
QR3022	UN9212	TRANSISTOR-RESISTOR	1	
QR3023	UN9211	TRANSISTOR-RESISTOR	1	
QR3501	UN9212	TRANSISTOR-RESISTOR	1	
QR4003	UN9112	TRANSISTOR-RESISTOR	1	
QR4004	UN9210	TRANSISTOR-RESISTOR	1	
QR4006	UN9111	TRANSISTOR-RESISTOR	1	
QR4007	UN9213	TRANSISTOR-RESISTOR	1	
QR4501	UN9113	TRANSISTOR-RESISTOR	1	
QR4502	UN9212	TRANSISTOR-RESISTOR	1	
QR4503-05	UN9213	TRANSISTOR-RESISTOR	3	
QR5001,02	XP1213	TRANSISTOR-RESISTOR	2	
QR5003	UN9211	TRANSISTOR-RESISTOR	1	
QR6001	UN2130X	TRANSISTOR-RESISTOR	1	
QR6003	UN9112	TRANSISTOR-RESISTOR	1	
QR6004	XP4115	TRANSISTOR-RESISTOR	1	
QR6005	UN9212	TRANSISTOR-RESISTOR	1	
QR6007	UN9211	TRANSISTOR-RESISTOR	1	
QR6008	UN9210	TRANSISTOR-RESISTOR	1	
QR6010	XP1213	TRANSISTOR-RESISTOR	1	
QR6012	XP1213	TRANSISTOR-RESISTOR	1	
QR6014	UN9213	TRANSISTOR-RESISTOR	1	
QR6015	UN9215	TRANSISTOR-RESISTOR	1	
QR6016	XP1213	TRANSISTOR-RESISTOR	1	
QR6017	UN9212	TRANSISTOR-RESISTOR	1	
QR6018	UN921E	TRANSISTOR-RESISTOR	1	
QR6019	UN9215	TRANSISTOR-RESISTOR	1	
QR6022	XP4212	TRANSISTOR-RESISTOR	1	
QR6023	UN2130X	TRANSISTOR-RESISTOR	1	
QR6024	UN9212	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR6025	UN9115	TRANSISTOR-RESISTOR	1	
QR6301	UN9212	TRANSISTOR-RESISTOR	1	
QR8101	UN9212	TRANSISTOR-RESISTOR	1	
QR8103,04	UN9213	TRANSISTOR-RESISTOR	2	
R3006	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3010	ERJ2GEJ152	M.RESISTOR CH 2W 1.5K	1	
R3011	ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R3012	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3013	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R3014	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3015	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3016	ERJ2GEJ564	M.RESISTOR CH 2W 560K	1	
R3017	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3018	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3019	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3020	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3021	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3022	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3023	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R3024	ERJ2GEJ821	M.RESISTOR CH 2W 820	1	
R3025	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3026	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3031	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3033	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3035	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R3040	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3041	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3042	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3043	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3044	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3045	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3046	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3048	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3049	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3051	ERJ2GEJ123	M.RESISTOR CH 2W 12K	1	
R3052	ERDS2TJ224	C.RESISTOR 1/4W 220K	1	
R3053	ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R3054	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3055	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3058	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3059	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3060-62	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R3063	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3064	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3065	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3068,69	ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R3070	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3071	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3072	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3073	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3074,75	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3076	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3077	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3080	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3081	ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R3084	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R3089	ERJ3GEYJ682	M.RESISTOR CH 1/16W 6.8K	1	
R3090	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3091	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3092	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3097	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3098	ERDS2TJ335	C.RESISTOR 1/4W 3.3M	1	
R3102	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R3104	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R3107	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3113	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3114	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3115	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3116	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3131	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3223	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3225	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3234	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3237		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3244		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R3245		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R3246		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R3247		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R3501		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R3502		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3504		ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3505		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R3506		ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R3507		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R3508		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R3509		ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R3510		ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R3511		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R3512		ERJ2GEJ823	M.RESISTOR CH 2W 82K	1	
R3513		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3514		ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R3515		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3516		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3517		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R3518		ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R3519		ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R3520		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3521		ERJ2GEJ274	M.RESISTOR CH 2W 270K	1	
R3522		ERJ2GEJ564	M.RESISTOR CH 2W 560K	1	
R3523		ERJ2GEJ271	M.RESISTOR CH 2W 270	1	
R3524		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3525		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R3526		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3527		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3528		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3530		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R3531,32		ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R3533		ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3534		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3537		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3538		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R3539		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3540		ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3541		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3542		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3543		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3544		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3545		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3546		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3547		ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3548		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3549		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R3550		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3560		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3561		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R3562		ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R3563,64		ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R3565		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3566		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3567,68		ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R3569		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3570		ERJ2GEJ562	M.RESISTOR CH 2W 5.6K	1	
R4001		ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4002		ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4003		VRE0071E271	M.RESISTOR CH 1/10W	1	
R4004		ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R4005		VRE0071E682	M.RESISTOR CH 1/10W	1	
R4006		ERJ2GEJ823	M.RESISTOR CH 2W 82K	1	
R4007		ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R4009		ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4010		ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4014		ERJ2GEJ331	M.RESISTOR CH 2W 330	1	
R4015,16		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	2	
R4017		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R4018		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4019,20		ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4021		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4022		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4023		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R4024		ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R4025		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R4026		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R4027		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R4028		ERJ2GEJ154	M.RESISTOR CH 2W 150K	1	
R4502,03		ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	2	
R4504,05		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	
R4510,11		ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R4512,13		ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R4516		VRE0071E153	M.RESISTOR CH 1/10W	1	
R4517		VRE0071E123	M.RESISTOR	1	
R4518		ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
R4519		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4520		ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R4521		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4524		ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4525		ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R4526,27		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	2	
R4528,29		ERJ2GEJ561	M.RESISTOR CH 2W 560	2	
R4530,31		ERJ2GEJ124	M.RESISTOR CH 2W 120K	2	
R4533		VRE0034E133	M.RESISTOR CH 1/10W 13K	1	
R4536		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4537		ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R4538		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4539		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4540		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R4541		ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R4542		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R4543,44		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	2	
R4545		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4546		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4548		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4550		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R4553,54		ERJ2GEJ471	M.RESISTOR CH 2W 470	2	
R4557,58		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	2	
R4559,60		ERJ2GEJ122	M.RESISTOR CH 2W 1.2K	2	
R4561,62		ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	2	
R4563,64		ERJ2GEJ820	M.RESISTOR CH 2W 82	2	
R4565,66		ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R4567,68		ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	2	
R4569		ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R4570		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R4571		ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R4575,76		ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	2	
R4577,78		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R4579,80		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R4581		ERJ2GEJ225	M.RESISTOR CH 2W 2.2M	1	
R4582		ERJ2GEJ824	M.RESISTOR CH 2W 820K	1	
R4583		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R4584		ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R5001		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5002		ERJ3GEYJ682	M.RESISTOR CH 1/16W 6.8K	1	
R5003		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5005		ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5006-08		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	3	
R5011		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5012,13		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	
R5014		ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5015,16		ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R5024		ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	
R5025		ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5026		ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5027		ERJ3GEYJ822	M.RESISTOR CH 1/16W 8.2K	1	
R5028		ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R5029,30		ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R5033		ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R5054-56		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	3	
R5058		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R5070		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5071		ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
R5100		ERJ2GEJ274	M.RESISTOR CH 2W 270K	1	
R6001		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6003		ERJ2GEJ274	M.RESISTOR CH 2W 270K	1	
R6004		ERJ2GEJ273	M.RESISTOR CH 2W 27K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6006-08	ERJ2GEJ102	M.RESISTOR CH 2W 1K	3	
R6009	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6011	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6012	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6013	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6014	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R6015	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6016	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R6017	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6018	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R6019	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R6020	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R6021	ERJ8GEYJ120	M.RESISTOR CH 1/8W 12	1	
R6022	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R6024	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6025	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6026	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6027,28	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R6029	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R6031	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6032,33	ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R6034	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R6035	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6036	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6038	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6039	ERJ8GEYJ2R2	M.RESISTOR CH 1/8W 2.2	1	
R6040	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R6041	ERJ2GEJ684	M.RESISTOR CH 2W 680K	1	
R6042	ERJ2GEJ123	M.RESISTOR CH 2W 12K	1	
R6043	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R6044	VRE0071E223	M.RESISTOR CH 1/10W	1	
R6045	VRE0071E333	M.RESISTOR CH 1/10W	1	
R6046	ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R6047	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6048	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6049	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6050	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6051	ERJ2GEJ474	M.RESISTOR CH 2W 470K	1	
R6052,53	ERJ2GEJ184	M.RESISTOR CH 2W 180K	2	
R6054	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6055,56	ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R6058	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6060	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R6061	ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R6062,63	ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R6066	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6070	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R6071-73	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	3	
R6074	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6075	ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R6076	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R6077	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6078	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6079,80	ERJ2GEJ683	M.RESISTOR CH 2W 68K	2	
R6082	ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R6083	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6084	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6086	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6087	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R6088	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6089	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R6104	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6105	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6108	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6111	ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R6112	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R6113	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6120	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R6121	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R6130	ERJ2GEJ821	M.RESISTOR CH 2W 820	1	
R6131	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6134	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6135	ERJ2GEJ121	M.RESISTOR CH 2W 120	1	
R6138	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6139	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6140,41	ERJ2GEJ683	M.RESISTOR CH 2W 68K	2	
R6144	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6145	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R6150	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R6151	ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R6152	ERJ2GEJ124	M.RESISTOR CH 2W 120K	1	
R6153	ERJ2GEJ474	M.RESISTOR CH 2W 470K	1	
R6154	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6155	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6156	VRE0071E272	M.RESISTOR CH 1/10W	1	
R6157	VRE0071E221	M.RESISTOR CH 1/10W	1	
R6158	VRE0067G562	M.RESISTOR	1	
R6159	VRE0067G561	M.RESISTOR CH 1/10W	1	
R6160	VRE0067G562	M.RESISTOR	1	
R6161	ERJ2GEJ152	M.RESISTOR CH 2W 1.5K	1	
R6162	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6163	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6164	ERJ2GEJ152	M.RESISTOR CH 2W 1.5K	1	
R6168	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6169	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6170	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6178	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6180,81	ERJ2GE0R00	M.RESISTOR CH 2W 0	2	
R6182,83	ERJ2GEJ683	M.RESISTOR CH 2W 68K	2	
R6185	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6187	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6188	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6189	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6191	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6203	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6205	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R6206,07	ERJ2GEJ104	M.RESISTOR CH 2W 100K	2	
R6208	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6209	ERJ2GEJ181	M.RESISTOR CH 2W 180	1	
R6210,11	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	2	
R6212	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6213	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6214	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6215	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6231	ERJ8GEYJ2R2	M.RESISTOR CH 1/8W 2.2	1	
R6232	ERJ2GEJ394	M.RESISTOR CH 2W 390K	1	
R6233,34	ERJ2GEJ393	M.RESISTOR CH 2W 39K	2	
R6235	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R6302	VRE0067G222	RESISTOR	1	
R6305	VRE0067G182	M.RESISTOR	1	
R6306	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R6310	ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R6311	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R6312	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6314	VRE0071E103	M.RESISTOR CH 1/10W	1	
R6315	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R6316	ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R6318	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R6319	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6323	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6324	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6325	VRE0071E473	M.RESISTOR CH 1/10W	1	
R6326,27	VRE0071E104	M.RESISTOR CH 1/10W	2	
R6329	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6338	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6339	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6340	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6341	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6342	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6344	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6346	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6348	VRE0034E474	M.RESISTOR CH	1	
R6349	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6350	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6351	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8003	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R8004	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8005	ERJ2GEJ183	M.RESISTOR CH 2W 18K	1	
R8006,07	ERJ2GEJ471	M.RESISTOR CH 2W 470	2	
R8008	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8009		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8010		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R8011		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R8012		ERJ2GEJ181	M.RESISTOR CH 2W 180	1	
R8014		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R8015		ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R8016		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R8017		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R8022		ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R8025,26		ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R8027		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8039		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R8044		ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R8045		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R8054		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R8057,58		ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R8062		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R8063		ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R8065		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R8066		ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R8069		ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R8070		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R8071,72		ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R8076		ERJ2GEJ273	M.RESISTOR CH 2W 27K	1	
R8077		ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R8078		ERJ2GEJ391	M.RESISTOR CH 2W 390	1	
R8079		ERJ2GEJ151	M.RESISTOR CH 2W 150	1	
R8080		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R8111		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R8114		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R8115		ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R8116		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R8601		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
RA6001		EXBV8V102J	RESISTOR-RESISTOR	1	
RA6003-05		EXBV8V102J	RESISTOR-RESISTOR	3	
RA6006,07		EXBV8V104J	RESISTOR-RESISTOR	2	
RA6008		EXBV8V103J	V.RESISTOR	1	
RA6010		EXBV8V102J	RESISTOR-RESISTOR	1	
T4001		EIQ6QB008T	TRANSFORMER	1	
VR3004		EVM7JSX30B53	V.RESISTOR 5K	1	
VR3005		EVM7JSX30B23	V.RESISTOR 2K	1	
VR3006		EVM7JSX30B14	V.RESISTOR 10K	1	
VR3007		EVM7JSX30B54	V.RESISTOR 50K	1	
VR3008		EVM7JSX30B52	V.RESISTOR 500	1	
VR3501-03		EVM7JSX30B14	V.RESISTOR 10K	3	
VR3504		EVM7JSX30B13	V.RESISTOR 1K	1	
VR3505		EVM7JSX30B24	V.RESISTOR 20K	1	
VR4502,03		EVM7JSX30B54	V.RESISTOR 50K	2	
VR6301		EVM7JSX30B53	V.RESISTOR 5K	1	
X6001		VSX0461	CRYSTAL OSCILLATOR	1	
X6002		VSX0601	CRYSTAL OSCILLATOR	1	
X6301		VSX0444	CRYSTAL OSCILLATOR	1	
X8001		VSX0419	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC3930	H.A SHIELD COVER (TOP)	1	
		VYQ0982	H.A SHIELD COVER (BOTTOM)	1	
	■	VEP01593A	POWER C.B.A.		(RTL)
B1001		VJS2961A028	CONNECTOR (FEMALE) 28P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1001		ECUM1C335ZFM	C.CAPACITOR CH 16V 3.3U	1	
C1002		ECGC1BA4R7	CAPACITOR	1	
C1003		ECGC0KB8R2	C.CAPACITOR 8V 8.2U	1	
C1004		ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1005		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C1006		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1008		ECGC0KB8R2	C.CAPACITOR 8V 8.2U	1	
C1009		ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1010		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C1011		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1012		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C1013		ECGC1BA4R7	CAPACITOR	1	
C1014		ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C1015		ECEV1CA470P	E.CAPACITOR 16V 47U	1	
C1017		ECUM1E105ZFM	C.CAPACITOR CH 25V 1U	1	
C1019		ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1020		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1022		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1024		ECUM1C474ZFN	C.CAPACITOR 16V 0.47U	1	
C1025		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1026		ECEV1HA010	E.CAPACITOR 50V 1U	1	
C1027		ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1028		ECEV1HAR47	E.CAPACITOR 50V 0.47U	1	
C1029		ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1030		ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1031		ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1032		ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1033-35		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	3	
C1036		ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1037		ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1042		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C1043		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1051		ECUM1C474ZFN	C.CAPACITOR 16V 0.47U	1	
C1054		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C1057		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C1058		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1063		ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1064		ECEV1CG470	E.CAPACITOR 16V 47	1	
C1066		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1071		ECUM1C335ZFM	C.CAPACITOR CH 16V 3.3U	1	
C1072		ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1101		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1103		ECEV1CA220	E.CAPACITOR CH 10V 22U	1	
C1104		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
D1002		SFPB-76	DIODE	1	
D1004		EC10QS04	DIODE	1	
D1005		SB05-05CP	DIODE	1	
D1006,07		MA142K	DIODE	2	
D1008		MA728	DIODE	1	
D1015		MA738	DIODE	1	
D1062		SB05-05CP	DIODE	1	
D1064		MA728	DIODE	1	
D1101-03		MA8130M	DIODE	3	
D1501		MA738	DIODE	1	
FP1001		VJS3320D016	CONNECTOR (FEMALE) 16P	1	
IC1001		BA9706K	IC	1	
J1001		VEK6535	JACK	1	
J1002		VEK7225	JACK	1	
J1501		VJJ0368	JACK	1	
L1001		ELL04T509R	COIL	1	
L1002		ELL04T016R	COIL	1	
L1003		ELC6UB4R7M	COIL	1	
L1004		VLQ0319K100	COIL 10UH	1	
L1006		VLQ0319K470	COIL 47UH	1	
L1007		ELL04T027R	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L1008		ELC6UB4R7M	COIL	1	
L1009		VLQ0319K100	COIL 10UH	1	
L1010,11		VLQ0319K101	COIL 100UH	2	
L1012		VLQ0319K100	COIL 10UH	1	
L1014		VLQ0319K100	COIL 10UH	1	
L1015		VLQ0319F150	COIL 15UH	1	
L1016		VLQ0319K470	COIL 47UH	1	
L1017		VLQ0319K100	COIL 10UH	1	
L1062		ELL04T035R	COIL	1	
L1102,03		VLP0134	COIL	2	
Q1001		2SA1731-R	TRANSISTOR	1	
Q1002,03		2SB798	TRANSISTOR	2	
Q1004		2SD2210	TRANSISTOR	1	
Q1005		2SB1073	TRANSISTOR	1	
Q1062		2SB798	TRANSISTOR	1	
QR1002		UN5214	TRANSISTOR-RESISTOR	1	
QR1006		UN2130X	TRANSISTOR-RESISTOR	1	
QR1061		UN5115	TRANSISTOR-RESISTOR	1	
R1001		VRE0067G822	RESISTOR	1	
R1002		VRE0067G272	M.RESISTOR	1	
R1003		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R1004		ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R1005		VRE0067G562	M.RESISTOR	1	
R1006		VRE0067G272	M.RESISTOR	1	
R1007		ERJ8GEYJ330	M.RESISTOR CH 1/8W 33	1	
R1008		VRE0067G103	RESISTOR	1	
R1009		VRE0067G152	RESISTOR	1	
R1012		VRE0067G20C	M.RESISTOR CH 1/10W	1	
R1013		VRE0067G393	RESISTOR	1	
R1014,15		VRE0067G182	M.RESISTOR	2	
R1016		VRE0034E153	M.RESISTOR CH 1/10W 15K	1	
R1017		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1018		ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R1019		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1020		ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R1021		ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1022		ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	
R1023		ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R1024		ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1025		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1026		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R1027		ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R1033		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R1035		ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1038		VRE0071E620	M.RESISTOR CH 1/10W	1	
R1039		VRE0071E331	M.RESISTOR CH 1/10W	1	
R1040		VRE0071E151	M.RESISTOR CH 1/10W	1	
R1051		VRE0034E243	M.RESISTOR CH 1/10W 2.4K	1	
R1052		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R1057		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R1062		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R1063		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1065		ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1071		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R1072		ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1073		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1077		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1115		VSF0092	RESISTOR	1	
R1207		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R1301		ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
SW1301		ESE122	SWITCH	1	
T1001		ELL04T050R	TRANSFORMER	1	
T1002		VTP0373	TRANSFORMER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUUS		
		VSC3659	POWER SHIELD COVER (TOP)	1	
		VSC3653	POWER SHIELD COVER (BOTTOM)	1	
		VMZ2322	BARRIER	1	
		VSC3996	HEAT PLATE	1	
	■	ESU39014	VTR OPERATION C.B.A.		
D6501,02		MA128	DIODE	2	
D6503		MA142K	DIODE	1	
D6504		LN1251CAL	DIODE	1	
D6505		LN1351C	DIODE	1	
	■	VEP00U49A	INTERFACE (1) C.B.A.		(RTL)
B6551		VJP2962A024	CONNECTOR (MALE) 24P	1	
C6553		ECEVOJA101	E.CAPACITOR 6.3V 100U	1	
C6554		ECST1AD476Z	T.CAPACITOR 10V 47U	1	
C6555		ECEVOJA101	E.CAPACITOR 6.3V 100U	1	
C6557		ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C6560		ECEVOJA101	E.CAPACITOR 6.3V 100U	1	
D6551		MA141WK	DIODE	1	
D6552		SFPB-54	DIODE	1	
D6553		MA141K	DIODE	1	
D6554		MA159	DIODE	1	
D6555		MA141K	DIODE	1	
FP6553		VJS2959D010	CONNECTOR (FEMALE)	1	
FP6554		VJS2959D011	CONNECTOR (FEMALE) 11P	1	
IC6552		RN5RG37AA	IC	1	
IC6553		RH5RH502B	IC	1	
L6551		ELL04T044R	COIL H	1	
L6552		ELL04T045R	COIL H	1	
L6554		ELL04T045R	COIL H	1	
L6555		ELJPA220KB	COIL	1	
P6551		VJP3172B005	CONNECTOR (MALE) 5P	1	
Q6551		2SB1073	TRANSISTOR	1	
Q6552		2SD1119	TRANSISTOR	1	
QR6551		UN5212	TRANSISTOR-RESISTOR	1	
R6551		ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6553		ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6561,62		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6563		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6566		ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
	■	VEP06899A	INTERFACE (2) C.B.A.		(RTL)
C6601		ECUX1H1032FV	C.CAPACITOR CH 50V 0.01U	1	
C6602		ECUM1H103KBM	C.CAPACITOR 50V 0.68U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6603-05		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	3	
FT6601		VJB00T80	CONNECTOR	1	
P6601		VJP3172B003	CONNECTOR (MALE) 3P	1	
P6602,03		VJP3172B002	CONNECTOR (MALE) 2P	2	
P6604		VJP3172B003	CONNECTOR (MALE) 3P	1	
P6605		VJP3125D002	CONNECTOR (MALE) 2P	1	
R6601		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
	■	VEP02418A	DRIVE C.B.A.		(RTL)
C2001		ECUM1C564KBM	C.CAPACITOR CH 16V 0.56U	1	
C2002		ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2003		ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2004		ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C2005		ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C2007		ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2009		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C2011		ECUX1E223KBV	C.CAPACITOR CH 25V 0.022U	1	
C2012		ECUM1C473KXV	C.CAPACITOR CH 16V 0.047U	1	
C2014		ECST1AY475	T.CAPACITOR 10V 4.7U	1	
C2015-17		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	3	
C2018		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C2020-22		ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2023		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C2024		ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2025-27		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C2028		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C2029-32		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	4	
C2033		ECUM1C185ZFN	C.CAPACITOR CH 16V 1.8U	1	
C2036		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C2040-42		ECUM1C473KXV	C.CAPACITOR CH 16V 0.047U	3	
FP2001		VJS2848D007	CONNECTOR (FEMALE) 7P	1	
FP2002		VJS2958B018	CONNECTOR (FEMALE) 18P	1	
FP2003		VJS3552D023A	CONNECTOR (FEMALE) 23P	1	
IC2001		TB6513AF	IC	1	
IC2002,03		UN224	IC	2	
QR2001		ON2170-LM	TRANSISTOR-RESISTOR	1	
QR2002		UN5215	TRANSISTOR-RESISTOR	1	
R2001		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2002		ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2003		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2004		ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R2005		ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2006		ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2007		ERJ8GEYJR47	M.RESISTOR CH 1/8W 0.47U	1	
R2008		ERJ8GEYJR33	M.RESISTOR CH 1/8W 0.33	1	
R2009		ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R2010		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2011		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R2012		ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R2014		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2015		ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2016		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2017		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2018		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R2019,20		ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	2	
R2021		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2022		ERJ8GEYJR33	M.RESISTOR CH 1/8W 0.33	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2040-42		ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	3	
R2045,46		ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2050		ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
			MISCELLANEOUS		
		VMD1842	REEL SENSOR STATOR	1	
	■	VEK7134	AV JACK UNIT		(RTL)
B3601		VJS2961A010	CONNECTOR (FEMALE) 10P	1	
C3601		ECUM1H103KBM	C.CAPACITOR 50V 0.68U	1	
C3602		ECUM1C104ZFN	C.CAPACITOR CH 16V 0.1U	1	
C3603		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
D3602		MA143	DIODE	1	
L3601-03		VLQ0584	COIL	3	
L3604		VLP0171	COIL	1	
L3606-08		VLQ0584	COIL	3	
			MISCELLANEOUS		
		VEJ1333	AV JACK PLATE	1	
	■	VEK6547	EJECT C.B.A.		(RTL)
S6703		VSP0584	SWITCH	1	
	■	VEK6577	S/S C.B.A.		(RTL)
PJ6701		VJP3318A003	CONNECTOR (MALE)	1	
S6702		ESE105MH7	SWITCH	1	
	■	VEK7135	S-JACK UNIT		(RTL)
B1501		VJS2961C012	CONNECTOR	1	
C3650		ECUV1H561JCN	C.CAPACITOR CH 50V 560P	1	
D3650		MA143	DIODE	1	
			MISCELLANEOUS		
		VEJ1188	S-JACK PLATE	1	
	■	VEK6549	SNAP C.B.A.		(RTL)
P6602		VJS3172B002	CONNECTOR (FEMALE)	1	
			MISCELLANEOUS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VMG0763	SWITCH	1	
		VEE8594	CABLE	1	

ORDER NO. VMD9412S026

Service Manual

Video Product

Supplement

Effective from : *Running change*

Model No. NV-S90A/B/E
NV-S900EN

ELECTRICAL REPLACEMENT PARTS LIST\СПИСОК ЭЛЕКТРИЧЕСКИХ ЗАПАСНЫХ ЧАСТЕЙ
SYSTEM CONTROL AND SERVO SCHEMATIC DIAGRAM\ПРИНЦИПИАЛЬНАЯ СХЕМА СИСТЕМЫ УПРАВЛЕНИЯ И СЕРВОПРИВОДА
LUMINANCE/CHROMINANCE AND HEAD AMP SCHEMATIC DIAGRAM\ПРИНЦИПИАЛЬНАЯ СХЕМА КАНАЛОВ ЯРКОСТИ/ЦВЕТНОСТИ И УСИЛИТЕЛЯ ВИДЕОГОЛОВОК
AUDIO SCHEMATIC DIAGRAM\ПРИНЦИПИАЛЬНАЯ СХЕМА АУДИОУСИЛИТЕЛЯ
TBC SCHEMATIC DIAGRAM\ПРИНЦИПИАЛЬНАЯ СХЕМА БЛОКА TBC
SIDE (R) INTERFACE SCHEMATIC DIAGRAM\ПРИНЦИПИАЛЬНАЯ СХЕМА ПРАВОЙ ПЛАТЫ УПРАВЛЕНИЯ

Panasonic

Subject : Change of Parts

Pleae use this manual together with the Service Manual for Model No. (Order No.)
NV-S90A/B/E/S900EN (VMD9406M123)

The following C. B. A has been changed some parts and layout for improve the performance.
(Each C. B. A has interchangebility between current types, So Parts-Number for C. B. A does not changed.)

Part Name & Description	Part-Number
VTR Main C. B. A	VEP03B12A
Interface C. B. A (R)	VEP00U49A
CAMERA Main C. B. A	VEP23207A

1. ELECTRICAL REPLACEMENT PARTS LIST

Note:1.Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE : Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components,use only the same type.
3.Unless otherwise specified,
All resistors are in OHMS , K-1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P=uuF.
4.The P.C.Board units marked width'■'show below the main assembled parts.
5.The marking(RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03B12A	VTR MAIN C.B.A.	1	(RTL)
		VEP23207A	CAMERA MAIN C.B.A.	1	(RTL)
		VEP00U49A	INTERFACE (R) C.B.A.	1	(RTL)
	■	VEP03B12A	VTR MAIN C.B.A.		(RTL)
B3001		VJP2962A012	CONNECTOR (MALE) 12P	1	
B3002		VJP2962A010	CONNECTOR (MALE) 10P	1	
B6001		VJP3126B028	CONNECTOR (MALE) 28P	1	
B6002		VJP2962C026	CONNECTOR (MALE) 26P	1	
B6004		VJP3358C016	CONNECTOR (MALE) 16P	1	
C3002		ECEV0GA470	E.CAPACITOR 4V 47U	1	
C3003,04		ECEV0GA471	E.CAPACITOR 4V 470U	2	
C3005		ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3006		ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3007		ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3008		ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3011,12		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	2	
C3013		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3014		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3015		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3016		ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3017		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3018		ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3019		ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3021		ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3022		ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3023		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3024		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3025		ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C3026		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3028		ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C3029		ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3030		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3031		ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3032		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3033		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3036		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3037		ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3039		ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3041		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3042		ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3043		ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3044		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3045		ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3047		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3048		ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C3049		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3050		ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3052		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3054		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3055		ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3059		ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3060		ECEV1EA4R7	E.CAPACITOR 25V 4.7U	1	
C3061		ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3062		ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3063		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3065		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3070		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C3071		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3072		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3075		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3083		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3085		ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
C3087		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3101-04		ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C3208		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3209		ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3210		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3211		ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3214		ECUM1E393KBN	C.CAPACITOR CH 25V 0.039U	1	
C3215		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3501		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C3502		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3503		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3504		ECST1AY475Z	T.CAPACITOR 16V 4.7U	1	
C3505		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3507		ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3508		ECUM1C223KBV	C.CAPACITOR CH 16V 0.022U	1	
C3509		ECST1AY475Z	T.CAPACITOR 16V 4.7U	1	
C3510		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C3511		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3512,13		ECST1AY475Z	T.CAPACITOR 16V 4.7U	2	
C3515		ECUM1H103JCM	C.CAPACITOR CH 50V 0.01U	1	
C3516		ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3517		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3518		ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3519		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C3520		ECUX1C153KBV	C.CAPACITOR CH 16V 0.015U	1	
C3521		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3522		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3523		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3524,25		ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C3526		ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3527		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3528		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3529		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3530-33		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	4	
C3534		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C3535		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3536,37		ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C3538		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3539		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3540		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3541		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C3542		ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C3543		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C3544		ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C3545		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3546		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3547		ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3548		ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3549		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C3550		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C3551		ECST1DX475Z	T.CAPACITOR 20V 4.7U	1	
C3552		ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C3553		ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3560		ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3561		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C3562		ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3580		ECUM1C223KBV	C.CAPACITOR CH 16V 0.022U	1	
C4001		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C4002		ECST1CY225Z	T.CAPACITOR 16V 2.2U	1	
C4004		ECUX1C123KBV	C.CAPACITOR CH 16V 0.012U	1	
C4005		ECST1AY475Z	T.CAPACITOR 16V 4.7U	1	
C4006		ECST1EY474Z	T.CAPACITOR 25V 0.47U	1	
C4007		ECEV1CA100	E.CAPACITOR 16V 10U	1	
C4008		ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C4011		ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C4012		ECST1CY225Z	T.CAPACITOR 16V 2.2U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4013,14		ECEV0SA470	E.CAPACITOR 4V 47U	2	
C4015		ECUM1C223KBV	C.CAPACITOR CH 16V 0.022U	1	
C4016		ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C4017		ECUM2A472JCM	C.CAPACITOR 100V 4700P	1	
C4018		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C4020		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C4021		ECEV0SA470	E.CAPACITOR 4V 47U	1	
C4022		ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C4502,03		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C4504,05		ECUM1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C4506,07		ECEV0GA330	E.CAPACITOR 4V 33U	2	
C4508,09		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	2	
C4510,11		ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C4512,13		ECEV0SA470	E.CAPACITOR 4V 47U	2	
C4514-19		ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C4522		ECEV0SA470	E.CAPACITOR 4V 47U	1	
C4524,25		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C4526		ECEV0GA101	E.CAPACITOR 4V 100U	1	
C4527		ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4528		ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C4529,30		ECEV1CA100	E.CAPACITOR 16V 10U	2	
C4531		ECEV0SA470	E.CAPACITOR 4V 47U	1	
C4532,33		ECST1CY335Z	T.CAPACITOR 16V 3.3U	2	
C4534		ECEV0JA220	E.CAPACITOR 6.3V 22U	1	
C4535		ECST1AY475Z	T.CAPACITOR 16V 4.7U	1	
C4539-41		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	3	
C4542,43		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C4545,46		ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C4548		ECST1CY335Z	T.CAPACITOR 16V 3.3U	1	
C4549		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C4550,51		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C4552,53		ECST0JX226Z	T.CAPACITOR 6.3V 22U	2	
C4555		ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5001		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5002,03		ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C5004		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5009		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5010		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C5011		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5012		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C5013		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5014		ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5015		ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C5016		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5017-23		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	7	
C5024		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C5025-27		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	3	
C5028		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C5029		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5030		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C5031		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5032,33		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C5034		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C5035		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C5036,37		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C5038,39		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C5040-42		ECUX1H121JCV	C.CAPACITOR CH 50V 120P	3	
C5043		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5048		ECUM1C683KBN	C.CAPACITOR CH 16V 0.068U	1	
C5050		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5051		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C5052		ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5053		ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C5054		ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5055		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C5056		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C5058		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5059,60		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C5061		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C5063		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C5085		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C5086		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C5100		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C5101		ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C6001-04		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6005		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6006,07		ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C6008		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6011		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6012,13		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C6014-16		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C6017		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6018		ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C6019		ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6022,23		ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C6024,25		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C6026		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6027		ECEV0GA101	E.CAPACITOR 4V 100U	1	
C6028		ECEV1CA100	E.CAPACITOR 16V 10U	1	
C6029		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C6030		ECUM1C105ZFM	C.CAPACITOR CH 16V 1U	1	
C6031		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6032		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6033		ECUM1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C6034,35		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C6037		ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6039		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6040		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6041		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6043		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C6044		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C6045		ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6065		ECST0JY685Z	T.CAPACITOR 6.3V 6.8U	1	
C6066		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6201		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6203		ECEV1CA100	E.CAPACITOR 16V 10U	1	
C6204,05		ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C6206		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6207,08		ECEV1CA100	E.CAPACITOR 16V 10U	2	
C6209		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6210		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6211		ECUX1H223ZFV	C.CAPACITOR CH 50V 0.022U	1	
C6213		ECEV0SA470	E.CAPACITOR 4V 47U	1	
C6214		ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C6221		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6230		ECEV0JA220	E.CAPACITOR 6.3V 22U	1	
C6231		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6301		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C6305		ECUX1H060CCV	C.CAPACITOR CH 50V 6P	1	
C6309		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6311		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6312		ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C6315		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6318		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6320		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6321		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C6322		ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C6324		ECEV0JA101	E.CAPACITOR 6.3V 100U	1	
C6325		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6326		ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C6330		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C6331		ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C6334		ECUM1E104KBM	C.CAPACITOR CH 25V 0.1U	1	
C6335		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C6336		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6337		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6338		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8001		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8002		ECUX1H060CCV	C.CAPACITOR CH 50V 6P	1	
C8003		ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
C8004		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C8005		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8006		ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C8007		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8008		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8009		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C8010		ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C8011,12		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C8015		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8017		ECUM1C105ZFM	C.CAPACITOR CH 16V 1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8018		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8019		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C8048		ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C8049		ECST1AY475Z	T.CAPACITOR 16V 4.7U	1	
C8062		ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C8063		ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C8065		ECUM1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C8066		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C8067		ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C8071		ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C8072		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8074		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C8076		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C8077		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8078		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C8101		ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C8102		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C8103		ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C8104		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8105		ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C8107,08		ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
D3001,02		MA729	DIODE	2	
D3003		1SS355	DIODE	1	
D3004		MA729	DIODE	1	
D3011,12		MA133	DIODE	2	
D3203		MA132K	DIODE	1	
D3204		MA133	DIODE	1	
D3501		MA133	DIODE	1	
D3502		1SS355	DIODE	1	
D3504		1SS355	DIODE	1	
D4501		MA133	DIODE	1	
D4504		MA132WA	DIODE	1	
D4505		MA8039-L	DIODE	1	
D5001		MA159	DIODE	1	
D5002		MA132WA	DIODE	1	
D5003		1SS355	DIODE	1	
D6004		1SS355	DIODE	1	
D6005		MA728	DIODE	1	
D6007		MA132A	DIODE	1	
D6008		1SS355	DIODE	1	
D6009		MA132WK	DIODE	1	
D6010		MA728	DIODE	1	
D6011		MA132WK	DIODE	1	
D6012,13		MA132WA	DIODE	2	
D6014		BR1102W	DIODE	1	
D6015		MA728	DIODE	1	
D6016,17		MA133	DIODE	2	
D6018		MA728	DIODE	1	
D6020		MA728	DIODE	1	
D6201		1SS355	DIODE	1	
D6301		MA132K	DIODE	1	
D6303		MA132WA	DIODE	1	
D6304,05		MA132K	DIODE	2	
D6306		MA132A	DIODE	1	
D8001		1SS355	DIODE	1	
D8010		MA132K	DIODE	1	
D8011		MA728	DIODE	1	
FL3501		VLF1030	FILTER	1	
FP3003		VJS3452C018	CONNECTOR (FEMALE) 18P	1	
FP4001		VJS2958D009	CONNECTOR (FEMALE) 9P	1	
FP5001		VJS2959B023	CONNECTOR (FEMALE) 23P	1	
FP6001		VJS2959B016	CONNECTOR (FEMALE) 16P	1	
FP6002		VJS2959B006	CONNECTOR (FEMALE) 6P	1	
FP6004		VJS2959B010	CONNECTOR (FEMALE) 10P	1	
FP6005		VJS3320D022	CONNECTOR (FEMALE) 22P	1	
IC3001		VEFH25D	IC	1	
IC3002		MN3851MS	IC	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC3003		AN3298NSB	IC	1	
IC3005		BA7071F	IC	1	
IC3501		TA8868AF	IC	1	
IC3502		MN3802AS	IC	1	
IC3503		MN3851MS	IC	1	
IC3504,05		TC7S66F	IC	2	
IC4501		AN3959FHP	IC	1	
IC4502		BA3308F	IC	1	
IC5001		AN3352FHP	IC	1	
IC6001		MN6755324MZJ	IC	1	
IC6002		S3500B3	IC	1	
IC6003		UPD6462GS612	IC	1	
IC6004		UPD4066BG	IC	1	
IC6005		BA6289F	IC	1	
IC6006		TA75W393FU	IC	1	
IC6007		XC62CP3802PR	IC	1	
IC6008		PST9133NR	IC	1	
IC6009		UPD4094BG	IC	1	
IC6010		SC14S66F	IC	1	
IC6011		TC7S32F	IC	1	
IC6301		MN1870824MZV	IC	1	
IC6302		TC7W04F	IC	1	
IC6303		BA7653F	IC	1	
IC6304		TC7WU04F	IC	1	
IC6305		LM393DB	IC	1	
IC6306		S8420KF	IC	1	
IC6307		TC7W04F	IC	1	
IC6308		MN13821-Y	IC	1	
IC8001		VEFH26G	IC	1	
IC8002		TL8841F	IC	1	
IC8003		TC4W53F	IC	1	
L3001		VLQ0319K101	COIL 100UH	1	
L3002		VLQ0319F150	COIL 15UH	1	
L3003		VLQ0426J560	COIL 56UH	1	
L3004		VLQ0319F150	COIL 15UH	1	
L3005		VLQ0163J121	COIL 120UH	1	
L3006		VLQ0426J3R9	COIL 3.9UH	1	
L3007		VLQ0426J150	COIL 15UH	1	
L3009		VLQ0319F150	COIL 15UH	1	
L3010		VLQ0426J470	COIL 47UH	1	
L3011		VLQ0426J150	COIL 15UH	1	
L3012		VLQ0426J100	COIL 10UH	1	
L3015		VLQ0426J680	COIL 68UH	1	
L3017		VLQ0426J680	COIL 68UH	1	
L3018		VLQ0319K680	COIL 68UH	1	
L3019		VLQ0319K221	COIL	1	
L3021		VLQ0426J330	COIL 33UH	1	
L3026		VLQ0319K101	COIL 100UH	1	
L3027		VLQ0426J100	COIL 10UH	1	
L3030		VLQ0426J330	COIL 33UH	1	
L3501,02		VLQ0319K100	COIL 10UH	2	
L3503		ELJFA151KB	COIL	1	
L3504		VLQ0426J470	COIL 47UH	1	
L3505		VLQ0319K100	COIL 10UH	1	
L3506		VLQ0319K101	COIL 100UH	1	
L3507		VLQ0319F150	COIL 15UH	1	
L3508,09		VLQ0426J680	COIL 68UH	2	
L3510		VLQ0426J470	COIL 47UH	1	
L3511		VLQ0426J5R6	COIL 5.6UH	1	
L4001		VLQ0319K470	COIL 47UH	1	
L4002		VLQ0423J153	COIL 15MH	1	
L4003		VLQ0319K101	COIL 100UH	1	
L4501		VLQ0319K330	COIL 39UH	1	
L5001-03		VLQ0319F150	COIL 15UH	3	
L5004		VLQ0319K101	COIL 100UH	1	
L5006		VLQ0401K120	COIL 12UH	1	
L5007,08		VLQ0319K101	COIL 100UH	2	
L5010		VLQ0319F150	COIL 15UH	1	
L6001		VLQ0163J330	COIL 33UH	1	
L6002		VLQ0319K101	COIL 100UH	1	
L6302		VLQ0319K101	COIL 100UH	1	
L8001		VLQ0426J270	COIL 27UH	1	
L8002,03		VLQ0426J100	COIL 10UH	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L8004		VLQ0319F150	COIL 15UH	1	
L8006		VLQ0426J330	COIL 33UH	1	
L8007		VLQ0319F150	COIL 15UH	1	
L8012		VLQ0319K470	COIL 47UH	1	
L8014		VLQ0163J680	COIL 68UH	1	
L8015		VLQ0426J150	COIL 15UH	1	
L8016		ELJFB471KF	COIL H	1	
L8018		VLQ0426J470	COIL 47UH	1	
P4001		VJP3172B004	CONNECTOR (MALE) 4P	1	
Q3001		2SB970X	TRANSISTOR	1	
Q3002		2SD2216	TRANSISTOR	1	
Q3003		2SC4627	TRANSISTOR	1	
Q3004		2SD2216	TRANSISTOR	1	
Q3005		2SB1462	TRANSISTOR	1	
Q3006		2SD2216	TRANSISTOR	1	
Q3008-10		2SC4627	TRANSISTOR	3	
Q3011		2SB1462	TRANSISTOR	1	
Q3012		2SD2216	TRANSISTOR	1	
Q3014		2SB1462	TRANSISTOR	1	
Q3017		2SB1462	TRANSISTOR	1	
Q3020		2SB970X	TRANSISTOR	1	
Q3021		2SB1462	TRANSISTOR	1	
Q3026		2SD2216	TRANSISTOR	1	
Q3027		2SB1462	TRANSISTOR	1	
Q3501		2SD2216	TRANSISTOR	1	
Q3502-04		2SB1462	TRANSISTOR	3	
Q3507		2SD2216	TRANSISTOR	1	
Q3508-10		2SB1462	TRANSISTOR	3	
Q3511		2SD2216	TRANSISTOR	1	
Q3513		2SD2216	TRANSISTOR	1	
Q3514		2SB1462	TRANSISTOR	1	
Q3515		2SC3938	TRANSISTOR	1	
Q3516		2SD2216	TRANSISTOR	1	
Q3520		2SD2216	TRANSISTOR	1	
Q4001		2SD2216	TRANSISTOR	1	
Q4002		2SD602-R	TRANSISTOR	1	
Q4003		2SD2216	TRANSISTOR	1	
Q4004		XP4501	TRANSISTOR-RESISTOR	1	
Q4005		2SB1219	TRANSISTOR	1	
Q4007		2SB1462	TRANSISTOR	1	
Q4501,02		2SD1979	TRANSISTOR	2	
Q4503,04		2SD2216	TRANSISTOR	2	
Q4507,08		2SD1979	TRANSISTOR	2	
Q4510		2SD2216	TRANSISTOR	1	
Q4515,16		XP4601	TRANSISTOR-RESISTOR	2	
Q5001,02		XN4506	TRANSISTOR-TRANSISTOR	2	
Q5003		2SB970X	TRANSISTOR	1	
Q5004,05		2SA812	TRANSISTOR	2	
Q5006,07		XN1501	TRANSISTOR-TRANSISTOR	2	
Q5010		2SB970X	TRANSISTOR	1	
Q6002		2SD2216	TRANSISTOR	1	
Q6004		2SD2216	TRANSISTOR	1	
Q6005		XP4501	TRANSISTOR-RESISTOR	1	
Q6008,09		2SD2216	TRANSISTOR	2	
Q6012		2SB798	TRANSISTOR	1	
Q6013		XP1501	TRANSISTOR-RESISTOR	1	
Q6017		2SD2216	TRANSISTOR	1	
Q6201		2SB1462	TRANSISTOR	1	
Q6304		2SK198	TRANSISTOR	1	
Q6305		2SC4627	TRANSISTOR	1	
Q8001,02		2SC4627	TRANSISTOR	2	
Q8003		2SB1462	TRANSISTOR	1	
Q8004,05		2SD2216	TRANSISTOR	2	
Q8006		2SC4627	TRANSISTOR	1	
Q8009		2SD2216	TRANSISTOR	1	
QR3001		UN9211	TRANSISTOR-RESISTOR	1	
QR3002		UN9213	TRANSISTOR-RESISTOR	1	
QR3004		UN9211	TRANSISTOR-RESISTOR	1	
QR3009,10		UN9212	TRANSISTOR-RESISTOR	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR3013,14		UN9212	TRANSISTOR-RESISTOR	2	
QR3016		UN9212	TRANSISTOR-RESISTOR	1	
QR3019		UN9212	TRANSISTOR-RESISTOR	1	
QR3022		UN9212	TRANSISTOR-RESISTOR	1	
QR3023		UN9211	TRANSISTOR-RESISTOR	1	
QR3501		UN9212	TRANSISTOR-RESISTOR	1	
QR4003		UN9112	TRANSISTOR-RESISTOR	1	
QR4004		UN9210	TRANSISTOR-RESISTOR	1	
QR4006		UN9111	TRANSISTOR-RESISTOR	1	
QR4007		UN9213	TRANSISTOR-RESISTOR	1	
QR4501		UN9113	TRANSISTOR-RESISTOR	1	
QR4502		UN9212	TRANSISTOR-RESISTOR	1	
QR4503-05		UN9213	TRANSISTOR-RESISTOR	3	
QR5001,02		XP1213	TRANSISTOR-RESISTOR	2	
QR5003		UN9211	TRANSISTOR-RESISTOR	1	
QR6001		UN2130X	TRANSISTOR-RESISTOR	1	
QR6003		UN9112	TRANSISTOR-RESISTOR	1	
QR6004		XP4115	TRANSISTOR-RESISTOR	1	
QR6005		UN9212	TRANSISTOR-RESISTOR	1	
QR6007		UN9211	TRANSISTOR-RESISTOR	1	
QR6008		UN9210	TRANSISTOR-RESISTOR	1	
QR6010		XP1213	TRANSISTOR-RESISTOR	1	
QR6012		XP1213	TRANSISTOR-RESISTOR	1	
QR6014		UN9213	TRANSISTOR-RESISTOR	1	
QR6015		UN9215	TRANSISTOR-RESISTOR	1	
QR6016		XP1213	TRANSISTOR-RESISTOR	1	
QR6017		UN9212	TRANSISTOR-RESISTOR	1	
QR6018		UN921E	TRANSISTOR-RESISTOR	1	
QR6019		UN9215	TRANSISTOR-RESISTOR	1	
QR6022		XP4212	TRANSISTOR-RESISTOR	1	
QR6023		UN2130X	TRANSISTOR-RESISTOR	1	
QR6024		UN9212	TRANSISTOR-RESISTOR	1	
QR6025		UN9115	TRANSISTOR-RESISTOR	1	
QR6301		UN9212	TRANSISTOR-RESISTOR	1	
QR8101		UN9212	TRANSISTOR-RESISTOR	1	
QR8103,04		UN9213	TRANSISTOR-RESISTOR	2	
R3001,02		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3003,04		ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3005		ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3006		ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3010		ERJ2GEJ152	M.RESISTOR CH 2W 1.5K	1	
R3011		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R3012		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3013		ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R3014		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3015		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3016		ERJ2GEJ564	M.RESISTOR CH 2W 560K	1	
R3017		ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3018		ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3019		ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3020		ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3021		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3022		ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3023		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R3024		ERJ2GEJ821	M.RESISTOR CH 2W 820	1	
R3025		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3026		ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3031		ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3033		ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3035		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R3038		ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3040,41		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3042		ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3043		ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3044		ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3045		ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3046		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3048		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3049		ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3051		ERJ2GEJ123	M.RESISTOR CH 2W 12K	1	
R3052		ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3053		ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3054		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3055		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3058		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3059		ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3060-62		ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R3063		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3064		ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3065		ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3068,69		ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R3070		ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3071		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3072		ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3073		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3074,75		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3076		ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3077		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3080		ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3081		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R3084		ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R3089		ERJ3GEYJ682	M.RESISTOR CH 1/16W 6.8K	1	
R3090		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3091		ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3092		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3097		ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3098		ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	1	
R3102		ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R3104		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R3107		ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3113		ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3114		ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3115		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3116		ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3131		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3223		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3225		ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R3234		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3237		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3244		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R3245		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R3246		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R3247		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R3501		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R3502		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3504		ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3505		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R3506		ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R3507		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R3508		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R3509		ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R3510		ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R3511		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R3512		ERJ2GEJ823	M.RESISTOR CH 2W 82K	1	
R3513		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3514		ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R3515		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3516		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3517		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R3518		ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R3519		ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R3520		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3521		ERJ2GEJ274	M.RESISTOR CH 2W 270K	1	
R3522		ERJ2GEJ564	M.RESISTOR CH 2W 560K	1	
R3523		ERJ2GEJ271	M.RESISTOR CH 2W 270	1	
R3524		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3525		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R3526		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3527		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3528		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3530		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R3531,32		ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R3533		ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3534		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3537		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3538		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R3539		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3540		ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3541		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3542		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3543		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3544		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3545		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3546		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3547		ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3548		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3549		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R3550		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3560		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3561		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R3562		ERJ2GEJ152	M.RESISTOR CH 2W 1.5K	1	
R3563		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R3564		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R3565		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R3566		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3567,68		ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R3569		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R3570		ERJ2GEJ562	M.RESISTOR CH 2W 5.6K	1	
R3580,81		ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R3582		ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R4001		ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4002		ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R4003		VRE0071E271	M.RESISTOR CH 1/10W 270	1	
R4004		ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R4005		VRE0071E682	M.RESISTOR CH 1/10W 6.8K	1	
R4006		ERJ2GEJ823	M.RESISTOR CH 2W 82K	1	
R4007		ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R4009		ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4010		ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4014		ERJ2GEJ331	M.RESISTOR CH 2W 330	1	
R4015,16		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	2	
R4017		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R4018		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4019,20		ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4021		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4022		ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4023		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R4024		ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R4025		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R4026		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R4027		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R4028		ERJ2GEJ154	M.RESISTOR CH 2W 150K	1	
R4502,03		ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	2	
R4504,05		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	
R4510,11		ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R4512,13		ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R4516		VRE0071E153	M.RESISTOR CH 1/10W 15K	1	
R4517		VRE0071E123	M.RESISTOR CH 1/10W 12K	1	
R4518		ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
R4519		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4520		ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R4521		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4524		ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4525		ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R4526,27		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	2	
R4528,29		ERJ2GEJ561	M.RESISTOR CH 2W 560	2	
R4530,31		ERJ2GEJ124	M.RESISTOR CH 2W 120K	2	
R4533		VRE0034E133	M.RESISTOR CH 1/10W 13K	1	
R4536		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4537		ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R4538		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4539		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4540		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R4541		ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R4542		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R4543,44		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	2	
R4545		ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R4546		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4548		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4550		ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R4553,54		ERJ2GEJ471	M.RESISTOR CH 2W 470	2	
R4557,58		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	2	
R4559,60		ERJ2GEJ122	M.RESISTOR CH 2W 1.2K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4561,62	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	2	
R4563,64	ERJ2GEJ820	M.RESISTOR CH 2W 82	2	
R4565,66	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R4567,68	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	2	
R4569	ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R4570	ERJ2GEJ822	M.RESISTOR CH 2W 8.2K	1	
R4571	ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R4575,76	ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	2	
R4577,78	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R4579,80	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R4581	ERJ2GEJ225	M.RESISTOR CH 2W 2.2M	1	
R4582	ERJ2GEJ824	M.RESISTOR CH 2W 820K	1	
R4583	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R4584	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R5001	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5002	ERJ3GEYJ682	M.RESISTOR CH 1/16W 6.8K	1	
R5003	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5005	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5006-08	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	3	
R5011	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5012,13	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	
R5014	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5015,16	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R5024	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	1	
R5025	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R5026	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5027	ERJ3GEYJ822	M.RESISTOR CH 1/16W 8.2K	1	
R5028	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R5029,30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R5033	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R5054-56	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	3	
R5058	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R5070	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5071	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	
R5100	ERJ2GEJ274	M.RESISTOR CH 2W 270K	1	
R6001	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6003	ERJ2GEJ274	M.RESISTOR CH 2W 270K	1	
R6004	ERJ2GEJ273	M.RESISTOR CH 2W 27K	1	
R6006-08	ERJ2GEJ102	M.RESISTOR CH 2W 1K	3	
R6009	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6011	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6012	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6013	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6014	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R6015	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6016	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R6017	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6018	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R6019	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R6020	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R6021	ERJ8GEYJ120	M.RESISTOR CH 1/8W 12	1	
R6022	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R6024	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6025	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6026	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6027,28	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R6029	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R6031	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6032,33	ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R6034	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R6035	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6036	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6038	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6039	ERJ8GEYJ2R2	M.RESISTOR CH 1/8W 2.2	1	
R6040	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R6041	ERJ2GEJ684	M.RESISTOR CH 2W 680K	1	
R6042	ERJ2GEJ123	M.RESISTOR CH 2W 12K	1	
R6043	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R6044	VRE0071E223	M.RESISTOR CH 1/10W 22K	1	
R6045	VRE0071E333	M.RESISTOR CH 1/10W 33K	1	
R6046	ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R6047	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6048	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6049	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6050	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6051	ERJ2GEJ474	M.RESISTOR CH 2W 470K	1	
R6052,53	ERJ2GEJ184	M.RESISTOR CH 2W 180K	2	
R6054	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6055,56	ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R6058	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6060	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R6061	ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R6062,63	ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R6066	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6070	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R6071-73	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	3	
R6074	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6075	ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R6076	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R6077	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6078	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6079,80	ERJ2GEJ683	M.RESISTOR CH 2W 68K	2	
R6082	ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R6083	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6084	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6086	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6087	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R6088	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6089	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R6104	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6105	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6108	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6111	ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R6112	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R6113	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6120	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R6121	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K	1	
R6130	ERJ2GEJ821	M.RESISTOR CH 2W 820	1	
R6131	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6134	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6135	ERJ2GEJ121	M.RESISTOR CH 2W 120	1	
R6138	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6139	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6140,41	ERJ2GEJ683	M.RESISTOR CH 2W 68K	2	
R6144	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6145	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R6150	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R6151	ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R6152	ERJ2GEJ124	M.RESISTOR CH 2W 120K	1	
R6153	ERJ2GEJ474	M.RESISTOR CH 2W 470K	1	
R6154	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6155	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6156	VRE0071E272	M.RESISTOR CH 1/10W 2.7K	1	
R6157	VRE0071E221	M.RESISTOR CH 1/10W 220	1	
R6158	VRE0067G562	M.RESISTOR CH 1/10W 5.6K	1	
R6159	VRE0067G561	M.RESISTOR CH 1/10W 560	1	
R6160	VRE0067G562	M.RESISTOR CH 1/10W 5.6K	1	
R6161	ERJ2GEJ152	M.RESISTOR CH 2W 1.5K	1	
R6162	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6163	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6164	ERJ2GEJ152	M.RESISTOR CH 2W 1.5K	1	
R6168	ERJ2GEJ683	M.RESISTOR CH 2W 68K	1	
R6169	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6170	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6178	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6180,81	ERJ2GE0R00	M.RESISTOR CH 2W 0	2	
R6182,83	ERJ2GEJ683	M.RESISTOR CH 2W 68K	2	
R6185	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6187	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6188	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R6189	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6191	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6203	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6205	ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R6206,07	ERJ2GEJ104	M.RESISTOR CH 2W 100K	2	
R6208	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R6209	ERJ2GEJ181	M.RESISTOR CH 2W 180	1	
R6210,11	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	2	
R6212	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R6213	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6214		ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6215		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6231		ERJ8GEYJ2R2	M.RESISTOR CH 1/8W 2.2	1	
R6232		ERJ2GEJ394	M.RESISTOR CH 2W 390K	1	
R6233,34		ERJ2GEJ393	M.RESISTOR CH 2W 39K	2	
R6235		ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R6302		VRE0067G222	M.RESISTOR CH 1/10W 2.2K	1	
R6305		VRE0067G182	M.RESISTOR CH 1/10W 1.8K	1	
R6306		ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R6310		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R6311		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R6312		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6314		VRE0071E103	M.RESISTOR CH 1/10W 10K	1	
R6315		ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R6316		ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R6318		ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R6319		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6323		ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6324		ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6325		VRE0071E473	M.RESISTOR CH 1/10W 47K	1	
R6326,27		VRE0071E104	M.RESISTOR CH 1/10W 100K	2	
R6329		ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6338		ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6339		ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R6340		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6341		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R6342		ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6344		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6346		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6348		VRE0034E474	M.RESISTOR CH 1/10W 470K	1	
R6349		ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R6350		ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R6351		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R6402		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R6403		ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6404		ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R8003		ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R8004		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8005		ERJ2GEJ183	M.RESISTOR CH 2W 18K	1	
R8006,07		ERJ2GEJ471	M.RESISTOR CH 2W 470	2	
R8008		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R8009		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8010		ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R8011		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R8012		ERJ2GEJ181	M.RESISTOR CH 2W 180	1	
R8014		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R8015		ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R8016		ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R8017		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R8022		ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R8025,26		ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R8027		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8039		ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R8044		ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R8045		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R8054		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R8057,58		ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R8062		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R8063		ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R8065		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R8066		ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R8069		ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R8070		ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R8071,72		ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R8076		ERJ2GEJ273	M.RESISTOR CH 2W 27K	1	
R8077		ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R8078		ERJ2GEJ391	M.RESISTOR CH 2W 390	1	
R8079		ERJ2GEJ151	M.RESISTOR CH 2W 150	1	
R8080		ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R8111		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R8114		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R8115		ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R8116		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R8601		ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
RA6001		EXBV8V102J	RESISTOR-RESISTOR	1	
RA6003-05		EXBV8V102J	RESISTOR-RESISTOR	3	
RA6006,07		EXBV8V104J	RESISTOR-RESISTOR	2	
RA6008		EXBV8V103J	RESISTOR-RESISTOR	1	
RA6010		EXBV8V102J	RESISTOR-RESISTOR	1	
T4001		EIQ6QB008T	TRANSFORMER	1	
VR3004		EVM7JSX30B53	V.RESISTOR 5K	1	
VR3005		EVM7JSX30B23	V.RESISTOR 2K	1	
VR3006		EVM7JSX30B14	V.RESISTOR 10K	1	
VR3007		EVM7JSX30B54	V.RESISTOR 50K	1	
VR3008		EVM7JSX30B52	V.RESISTOR 500	1	
VR3501-03		EVM7JSX30B14	V.RESISTOR 10K	3	
VR3504		EVM7JSX30B13	V.RESISTOR 1K	1	
VR3505		EVM7JSX30B24	V.RESISTOR 20K	1	
VR4502,03		EVM7JSX30B54	V.RESISTOR 50K	2	
VR6301		EVM7JSX30B53	V.RESISTOR 5K	1	
X6001		VSX0461	CRYSTAL OSCILLATOR	1	
X6002		VSX0601	CRYSTAL OSCILLATOR	1	
X6301		VSX0444	CRYSTAL OSCILLATOR	1	
X8001		VSX0419	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC3930	H.A SHIELD COVER (TOP)	1	
		VYQ0982	H.A SHIELD COVER (BOTTOM)	1	
	■	VEP23207A	CAMERA MAIN C.B.A.		(RTL)
BZ01		VJP3358A012	CONNECTOR (MALE)	1	
B301		VJP2962A02Z	CONNECTOR (MALE) 22P	1	
B302		VJP2962A024	CONNECTOR (MALE) 24P	1	
C201,02		ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C204		ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
C206		ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
C209		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C210-13		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C217		ECST1DX475Z	T.CAPACITOR 20V 4.7U	1	
C218,19		ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C224		ECST1AX156Z	T.CAPACITOR 10V 15U	1	
C225		ECST1CY475Z	E.CAPACITOR 16V 47U	1	
C226		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C227		ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C228		ECST0JX226Z	T.CAPACITOR 6.3V 22U	1	
C229		ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C230		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C231		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C232		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C233-36		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C237		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C238-40		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	3	
C244,45		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C246,47		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	2	
C248,49		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C250		ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C252		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C254		ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
C255		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C260		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C261		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C270		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C271		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C272,73		ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C274		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C275		ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C276		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C278		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C280,81		ECUX1H100CCV	C.CAPACITOR CH 50V 10P	2	
C282		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C284		ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C285,86		ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C287		ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C288		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C289,90		ECUX1H100CCV	C.CAPACITOR CH 50V 10P	2	
C291-96		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	6	
C298,99		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C301		ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C302		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C304,05		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C306		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C307,08		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C309		ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C311,12		ECST0JY106Z	T.CAPACITOR 6.3V 10U	2	
C313,14		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C316-18		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C319		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C321		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C325,26		ECUM1C105ZFM	C.CAPACITOR CH 16V 1U	2	
C328		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C329		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C330		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C331-33		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C334		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C335		ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C336		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C338		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C339-41		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C342		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C343		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C345		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C346		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C348		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C349		ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C350		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C351,52		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C354-56		ECST0JY106Z	T.CAPACITOR 6.3V 10U	3	
C358		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C373,74		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C378,79		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C380		ECST1DX475Z	T.CAPACITOR 20V 4.7U	1	
C381		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C701		ECS11CY105Z	C.CAPACITOR 16V 1U	1	
C702		ECUX1H473ZFV	C.CAPACITOR CH 50V 0.047U	1	
C703		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C710		ECUX1H473ZFV	C.CAPACITOR CH 50V 0.047U	1	
C711		ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C712		ECEV1CG470P	E.CAPACITOR 16V 47	1	
C716		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C719		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C720		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C721		ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C722		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C724,25		ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C729		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C731		ECUM1C105MBM	C.CAPACITOR CH 16V 1U	1	
C732		ECST0JY106Z	T.CAPACITOR 6.3V 10U	1	
C737		ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C738,39		ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C779		ECUM1C105ZFM	C.CAPACITOR CH 16V 1U	1	
D201-04		1SS355	DIODE	4	
D205		MA728	DIODE	1	
D206		1SS355	DIODE	1	
D208,09		1SS355	DIODE	2	
D280,81		1SS355	DIODE	2	
D301		MA728	DIODE	1	
D302		MA729	DIODE	1	
D304		MA728	DIODE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D306		MA728	DIODE	1	
D307		MA720	DIODE	1	
D308-10		MA728	DIODE	3	
D703		MA132WA	DIODE	1	
FL201		VLF1056	FILTER	1	
FL202		VLF1114M470	FILTER	1	
FL207		VLF1114M470	FILTER	1	
FL301		VLF1115	FILTER	1	
FP301		VJS3320D016	CONNECTOR (FEMALE) 16P	1	
FP302		VJS3319D018	CONNECTOR (FEMALE) 18P	1	
FP701		VJS3320D018	CONNECTOR (FEMALE) 18P	1	
FP702		VJS2958B006	CONNECTOR (FEMALE) 6P	1	
IC201		VEPH40A	IC	1	
IC203		NN2038FAQ	IC	1	
IC205		MN5203	IC	1	
IC206		TC7SH32FTL	IC	1	
IC207		SC7S08F	IC	1	
IC249		TC7SH08FU	IC	1	
IC250		T74VHC74FS	IC	1	
IC251		MN7A010MVB1	IC	1	
IC252		TC7SHU04FU	IC	1	
IC253		TC7SH04FU	IC	1	
IC254-56		TC7SH08FU	IC	3	
IC257		TC7SH04FU	IC	1	
IC258,59		TC7SH08FU	IC	2	
IC301		MN65761T	IC	1	
IC304		CF43105PM	IC	1	
IC305		MN1864002M3W	IC	1	
IC306		MN7A004VSW	IC	1	
IC307		AK6440HF	IC	1	
IC308		MN673211M2U	IC	1	
IC309		L7A1362	IC	1	
IC310		SC7S08F	IC	1	
IC311		ZA4035	IC	1	
IC313		T90CK78F3406	IC	1	
IC314		MB88346LPFV	IC	1	
IC315		MN65703T	IC	1	
IC316		MB88346LPFV	IC	1	
IC317		SC7S08F	IC	1	
IC318		RN5RG31AA	IC	1	
IC319		TC7S66F	IC	1	
IC320		TA75W01FU	IC	1	
IC321		TC7S66F	IC	1	
IC705-07		LM324DB	IC	3	
IC708		TB6512AF	IC	1	
IC709		TC4S584F	IC	1	
L201-05		VLQ0426J150	COIL 15UH	5	
L206		VLQ0426J680	COIL 68UH	1	
L207		VLQ0426J150	COIL 15UH	1	
L208		VLQ0426J220	COIL 22UH	1	
L209		VLQ0426J150	COIL 15UH	1	
L210,11		VLP0146	COIL	2	
L212		VLQ0426J150	COIL 15UH	1	
L213		VLP0146	COIL	1	
L214		VLQ0556	COIL	1	
L215,16		VLP0154	COIL	2	
L220		VLP0154	COIL	1	
L221,22		VLP0155	COIL H	2	
L223		VLQ0464	COIL	1	
L270		VLQ0426J1R0	COIL H	1	
L271		VLP0172	COIL H	1	
L272		VLQ0426J150	COIL 15UH	1	
L274		VLQ0426JR47	COIL H	1	
L301,02		VLQ0464	COIL	2	
L304-08		VLQ0464	COIL	5	
L309		ELJPA150KB	COIL	1	
L310,11		VLQ0464	COIL	2	

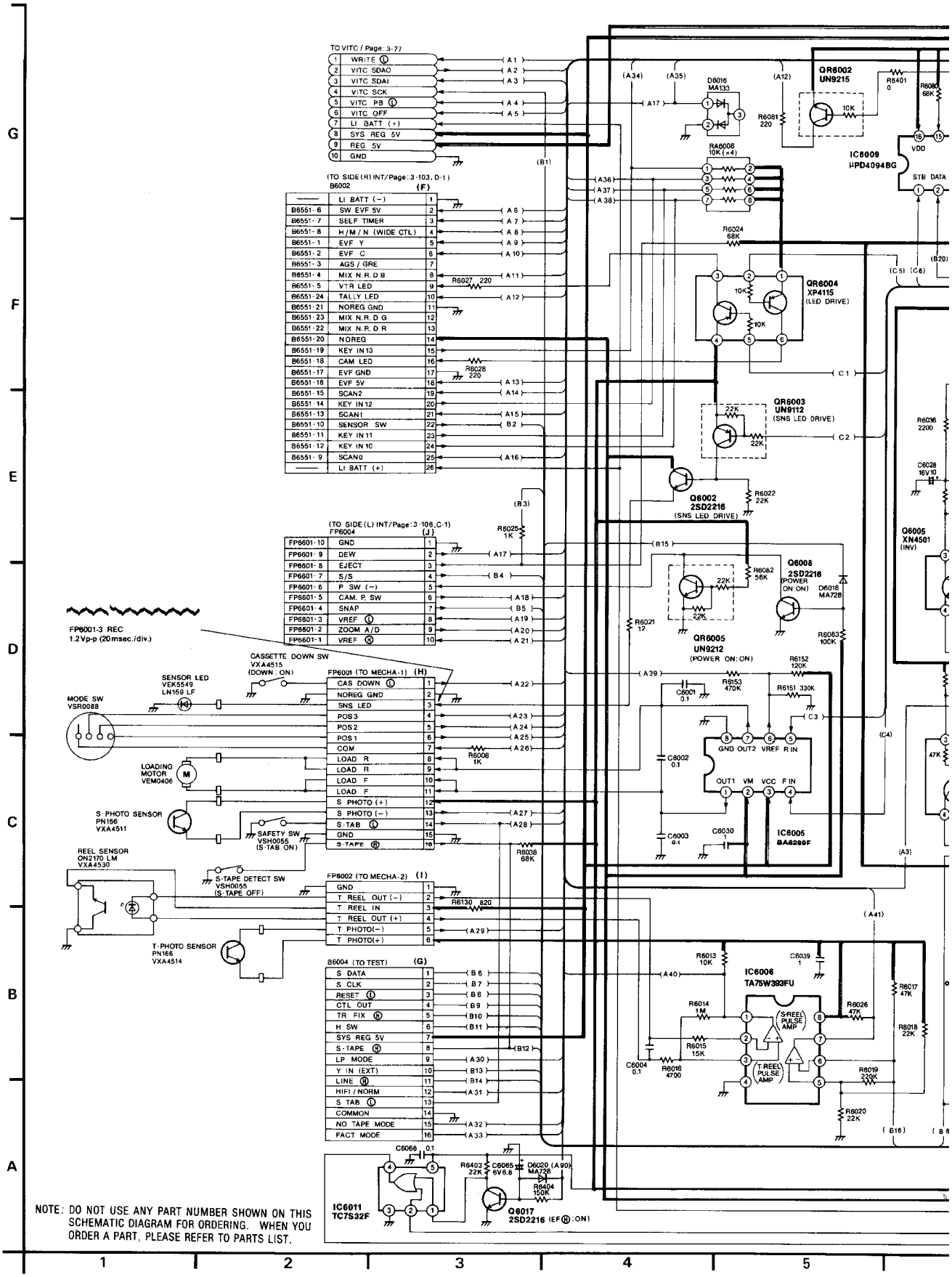
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L312	ELJPA150KB	COIL	1	
L313-15	VLQ0464	COIL	3	
L317	VLQ0426J150	COIL 15UH	1	
L319	VLQ0464	COIL	1	
L321	VLP0146	COIL	1	
L324-28	VLP0146	COIL	5	
L330-33	VLP0146	COIL	4	
L334	VLP0171	COIL	1	
L335	VLP0146	COIL	1	
L336	VLP0171	COIL	1	
L701-03	VLQ0464	COIL	3	
L706,07	VLQ0464	COIL	2	
P301	VJP3125B005	CONNECTOR (MALE) 5P	1	
Q201	UPA674T	TRANSISTOR	1	
Q202	2SD2216	TRANSISTOR	1	
Q203	2SB1462	TRANSISTOR	1	
Q206	2SD2216	TRANSISTOR	1	
Q280,81	UPA674T	TRANSISTOR	2	
Q301	2SB1202-S	TRANSISTOR	1	
Q302	2SC4627	TRANSISTOR	1	
Q303,04	2SA1790	TRANSISTOR	2	
Q305	2SB1462	TRANSISTOR	1	
Q307	XP1501	TRANSISTOR-RESISTOR	1	
Q308	XP1212	TRANSISTOR-TRANSISTOR	1	
Q701	XN1401	TRANSISTOR-TRANSISTOR	1	
Q702	XP4401	TRANSISTOR-RESISTOR	1	
Q703	2SD874	TRANSISTOR	1	
Q704	2SD601A	TRANSISTOR	1	
Q705	2SD2216	TRANSISTOR	1	
Q706	XP1501	TRANSISTOR-RESISTOR	1	
Q707,08	XP4501	TRANSISTOR-RESISTOR	2	
QR301,02	UN9212	TRANSISTOR-RESISTOR	2	
QR304	XP1213	TRANSISTOR-RESISTOR	1	
QR701,02	UN9211	TRANSISTOR-RESISTOR	2	
R201	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R202	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R203	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R205	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R206	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R207	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R212	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R213	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R214,15	ERJ2GEJ330	M.RESISTOR CH 2W 33	2	
R216	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R217,18	ERJ2GEJ330	M.RESISTOR CH 2W 33	2	
R221	ERJ2GEJ221	M.RESISTOR CH 2W 220	1	
R222	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R223-25	ERJ2GEJ102	M.RESISTOR CH 2W 1K	3	
R228	ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R229,30	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	2	
R231,32	ERJ2GEJ101	M.RESISTOR CH 2W 1K	2	
R233	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R234-36	ERJ2GEJ101	M.RESISTOR CH 2W 1K	3	
R237	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R238	ERJ2GEJ474	M.RESISTOR CH 2W 470K	1	
R239	ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R240	ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R241	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R243	ERJ2GEJ470	M.RESISTOR CH 2W 47	1	
R244	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R245,46	ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R248	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R249,50	ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	2	
R251,52	ERJ2GE0R00	M.RESISTOR CH 2W 0	2	
R260	ERJ2GEJ681	M.RESISTOR CH 2W 680	1	
R270	ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	1	
R271	ERJ2GEJ470	M.RESISTOR CH 2W 47	1	

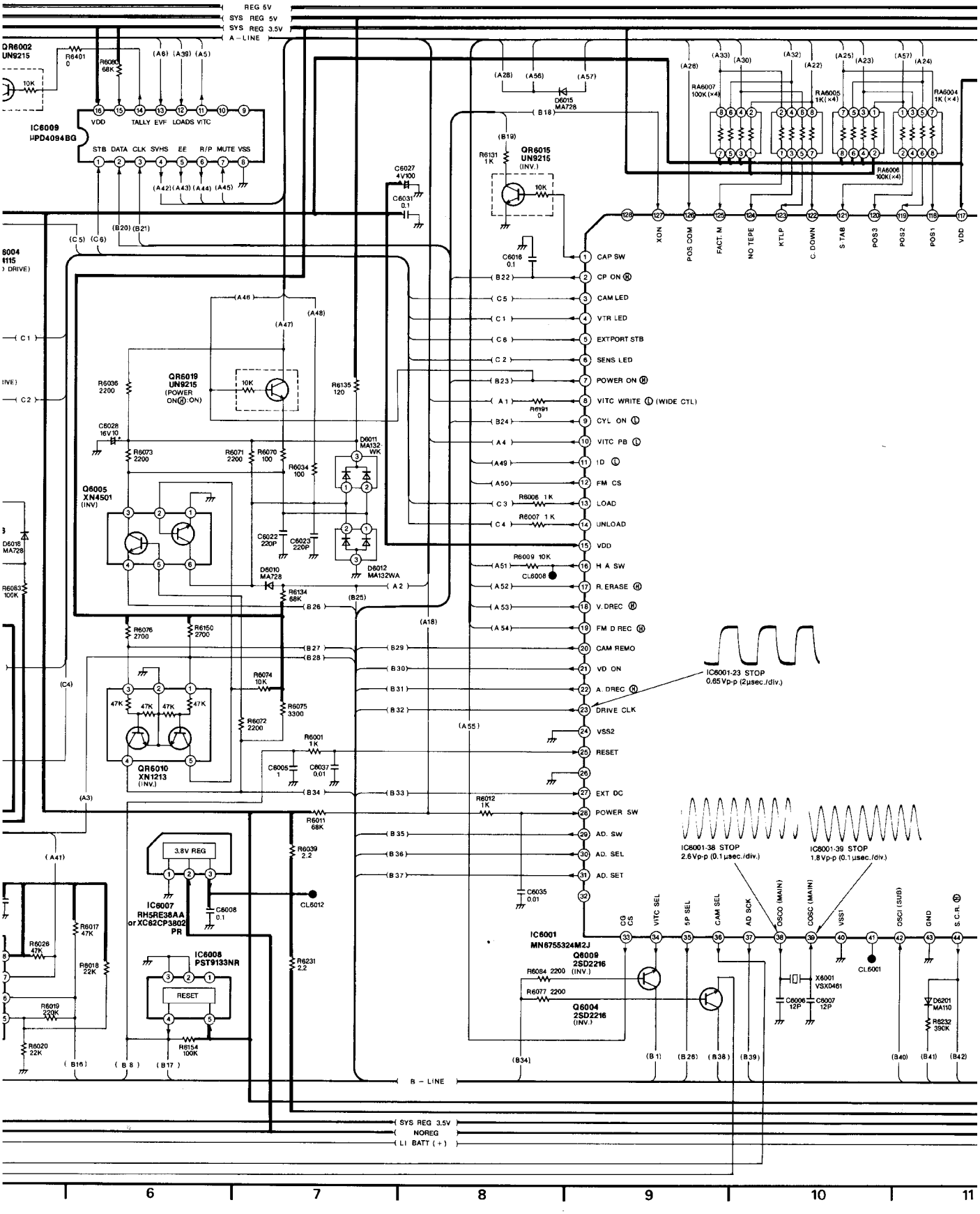
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R272	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R273	ERJ2GEJ121	M.RESISTOR CH 2W 120	1	
R274	ERJ2GEJ470	M.RESISTOR CH 2W 47	1	
R275,76	ERJ2GEJ102	M.RESISTOR CH 2W 1K	2	
R277	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R278,79	ERJ2GEJ470	M.RESISTOR CH 2W 47	2	
R280	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R281	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R282	ERJ2GEJ470	M.RESISTOR CH 2W 47	1	
R283	ERJ2GEJ330	M.RESISTOR CH 2W 33	1	
R285	ERJ2GEJ150	M.RESISTOR CH 2W 15	1	
R286	ERJ2GEJ271	M.RESISTOR CH 2W 270	1	
R287,88	ERJ2GEJ150	M.RESISTOR CH 2W 15	2	
R290,91	ERJ2GEJ330	M.RESISTOR CH 2W 33	2	
R293	ERJ2GEJ150	M.RESISTOR CH 2W 15	1	
R294	ERJ2GEJ330	M.RESISTOR CH 2W 33	1	
R295	ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R296,97	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R298	ERJ2GEJ222	M.RESISTOR CH 2W 2.2K	1	
R301,02	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	2	
R303	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R304	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R305	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R306	ERJ2GEJ183	M.RESISTOR CH 2W 18K	1	
R307	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R309	ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R310,11	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R312	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R313	ERJ2GEJ123	M.RESISTOR CH 2W 12K	1	
R314	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R315	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R316	ERJ2GEJ122	M.RESISTOR CH 2W 1.2K	1	
R318	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R319	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R320	ERJ2GEJ332	M.RESISTOR CH 2W 3.3K	1	
R321	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R322-24	ERJ2GEJ473	M.RESISTOR CH 2W 47K	3	
R325	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R326	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R327,28	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R330	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R333,34	ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R338	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R339	ERJ2GEJ392	M.RESISTOR CH 2W 3.9K	1	
R340	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R341	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R344	ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R345-47	ERJ2GEJ102	M.RESISTOR CH 2W 1K	3	
R348	ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R353	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R354,55	ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R356-58	ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	3	
R359	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R361	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R362,63	ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R367	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R372	ERJ2GEJ105	M.RESISTOR CH 2W 1M	1	
R373	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R375	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R376	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R379	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R380	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R381	ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R382	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R384	ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R385-87	ERJ2GEJ223	M.RESISTOR CH 2W 22K	3	
R388	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R389	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R390-92	ERJ2GEJ473	M.RESISTOR CH 2W 47K	3	
R401	ERJ2GEJ562	M.RESISTOR CH 2W 5.6K	1	
R402	ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R403	ERJ2GEJ182	M.RESISTOR CH 2W 1.8K	1	
R404	ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R405	ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R406	ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R407		ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R408		ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R410		ERJ2GEJ562	M.RESISTOR CH 2W 5.6K	1	
R411		ERJ2GEJ471	M.RESISTOR CH 2W 470	1	
R412		ERJ2GEJ561	M.RESISTOR CH 2W 560	1	
R413		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R414		ERJ2GEJ123	M.RESISTOR CH 2W 12K	1	
R415		ERJ2GEJ331	M.RESISTOR CH 2W 330	1	
R416-79		ERJ2GEJ102	M.RESISTOR CH 2W 1K	64	
R480		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R481		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R482		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R701		ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R702,03		ERJ2GEJ272	M.RESISTOR CH 2W 2.7K	2	
R704		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R705		VREO071E333	M.RESISTOR CH 1/10W 33K	1	
R708		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R709		VREO071E333	M.RESISTOR CH 1/10W 33K	1	
R710		VREO071E123	M.RESISTOR CH 1/10W 12K	1	
R711		VREO071E102	M.RESISTOR CH 1/10W 1K	1	
R712		VREO071E152	M.RESISTOR CH 1/10W 1.5K	1	
R713		VREO071E561	M.RESISTOR CH 1/10W 560	1	
R714		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R715,16		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	2	
R717		ERJ2GEJ221	M.RESISTOR CH 2W 220	1	
R718		ERJ2GEJ563	M.RESISTOR CH 2W 56K	1	
R719		ERJ2GE0R00	M.RESISTOR CH 2W 0	1	
R720,21		ERJ2GEJ103	M.RESISTOR CH 2W 10K	2	
R722		ERJ2GEJ104	M.RESISTOR CH 2W 100K	1	
R723		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R724		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R725		ERJ2GEJ101	M.RESISTOR CH 2W 1K	1	
R726		ERJ3GEYG202	M.RESISTOR CH 1/16W 2K	1	
R727		ERJ2GEJ223	M.RESISTOR CH 2W 22K	1	
R728		ERJ2GEJ273	M.RESISTOR CH 2W 27K	1	
R729		ERJ2GEJ183	M.RESISTOR CH 2W 18K	1	
R730		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R731,32		ERJ2GEJ473	M.RESISTOR CH 2W 47K	2	
R733		ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R734,35		ERJ2GEJ123	M.RESISTOR CH 2W 12K	2	
R736		ERJ2GEJ474	M.RESISTOR CH 2W 470K	1	
R737		ERJ2GEJ394	M.RESISTOR CH 2W 390K	1	
R738		ERJ2GEJ153	M.RESISTOR CH 2W 15K	1	
R739		ERJ2GEJ224	M.RESISTOR CH 2W 220K	1	
R740		ERJ2GEJ273	M.RESISTOR CH 2W 27K	1	
R741		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R742		ERJ2GEJ333	M.RESISTOR CH 2W 33K	1	
R743		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R744		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R745		ERJ2GEJ393	M.RESISTOR CH 2W 39K	1	
R746		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R747		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R748		ERJ2GEJ682	M.RESISTOR CH 2W 6.8K	1	
R749		ERJ3GEYG103	M.RESISTOR CH 1/16W 10K	1	
R750		ERJ3GEYG303	M.RESISTOR CH 1/16W 30K	1	
R751		ERJ2GEJ221	M.RESISTOR CH 2W 220	1	
R752		ERJ2GEJ181	M.RESISTOR CH 2W 180	1	
R753		VREO071E103	M.RESISTOR CH 1/10W 10K	1	
R754		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R755		VREO071E103	M.RESISTOR CH 1/10W 10K	1	
R756		ERJ2GEJ473	M.RESISTOR CH 2W 47K	1	
R759		ERJ2GEJ472	M.RESISTOR CH 2W 4.7K	1	
R760		ERJ3GEYJ3R3	M.RESISTOR CH 1/16W 3.3	1	
R761		ERJ2GEJ102	M.RESISTOR CH 2W 1K	1	
R764		ERJ3GEYJ3R3	M.RESISTOR CH 1/16W 3.3	1	
R765,66		ERJ2GEJ333	M.RESISTOR CH 2W 33K	2	
R767		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R768		ERJ2GEJ103	M.RESISTOR CH 2W 10K	1	
R769		ERJ2GEJ823	M.RESISTOR CH 2W 82K	1	
RA301-10		EXB24V102JX	V.RESISTOR	10	
RA311		EXB24V473JX	V.RESISTOR	1	
RA321		EXB24V473JX	V.RESISTOR	1	
RA324-27		EXB24V102JX	V.RESISTOR	4	

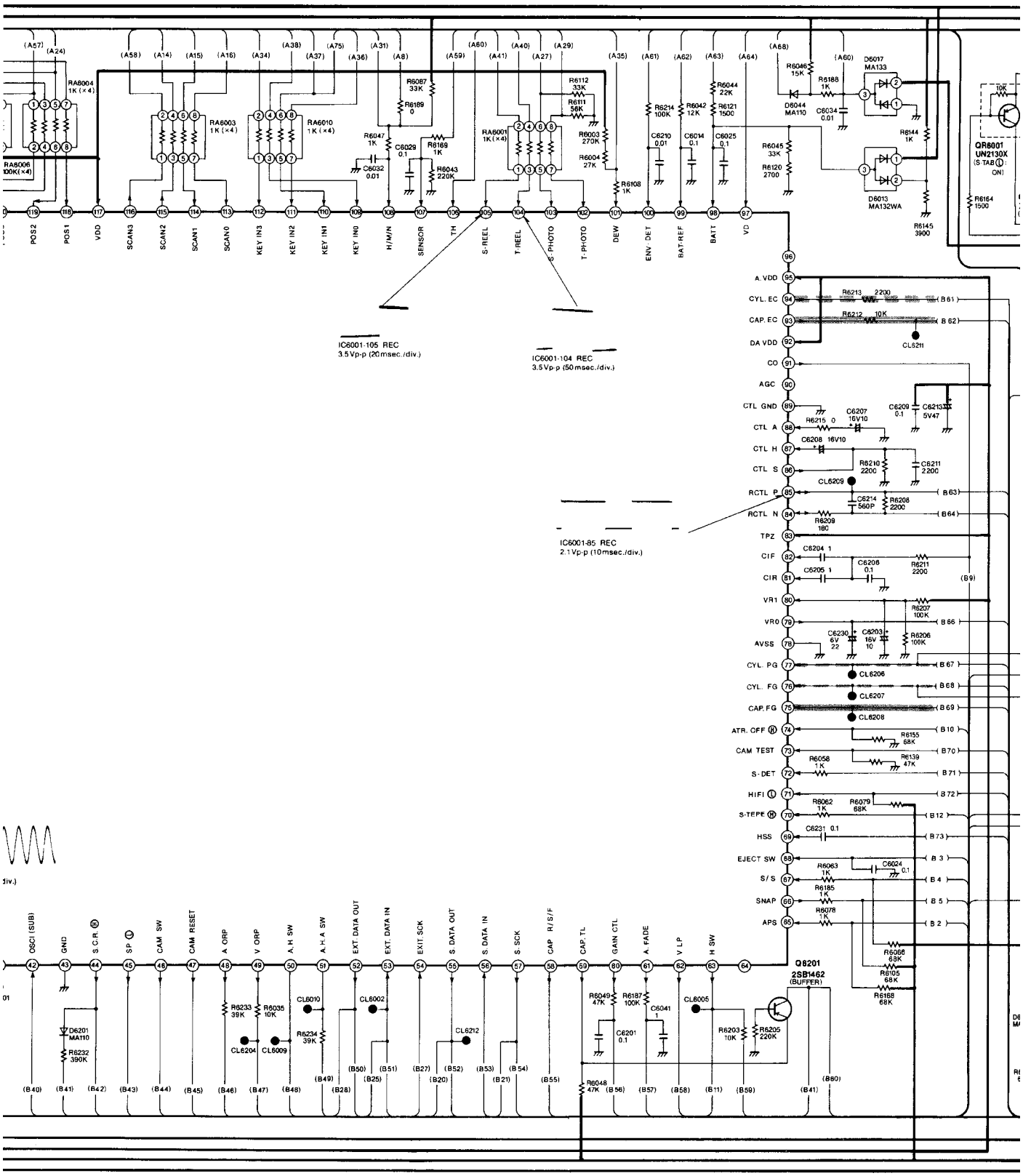
Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
RA329,30		EXB24V102JX	V.RESISTOR	2	
RA331-33		EXB24V473JX	V.RESISTOR	3	
TH701		VRE0083	TRANSFORMER	1	
X270		VSX0635	CRYSTAL OSCILLATOR	1	
X301		EFOS1605E5	CRYSTAL OSCILLATOR	1	
X302		EFOV8004B0A	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VSC4051	SHIELD FOR SENSOR IC	1	
		VYQ1029	CAMERA SHIELD UNIT	1	
	■	VEP00U49A	INTERFACE (1) C.B.A.		(RTL)
B6551		VJP2962A024	CONNECTOR (MALE) 24P	1	
C6553		ECEV0JA101	E.CAPACITOR 6.3V 100U	1	
C6554		ECST1AD476Z	T.CAPACITOR 10V 47U	1	
C6555		ECEV0JA101	E.CAPACITOR 6.3V 100U	1	
C6557		ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C6560		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6560		ECEV0JA101	E.CAPACITOR 6.3V 100U	1	
D6551		MA141WK	DIODE	1	
D6552		SFPB-54	DIODE	1	
D6557		MA141K	DIODE	1	
FP6553		VJS2959B010	CONNECTOR (FEMALE)	1	
FP6554		VJS2959D011	CONNECTOR (FEMALE) 11P	1	
IC6552		RN5RG37AA	IC	1	
IC6553		RH5RH502B	IC	1	
L6551		ELL04T044R	COIL H	1	
L6552		ELL04T045R	COIL H	1	
L6554		ELL04T045R	COIL H	1	
P6551		VJP3172B005	CONNECTOR (MALE) 5P	1	
Q6551		2SB1202-S	TRANSISTOR	1	
Q6552		2SD1119	TRANSISTOR	1	
QR6551		UN521F	TRANSISTOR-RESISTOR	1	
R6552		ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R6553		ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6561,62		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6563		ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6566		ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R6567		ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6568		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6571		ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R6572		ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6573		ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	

2. SYSTEM CONTROL & SERVO SCHEMATIC DIAGRAM

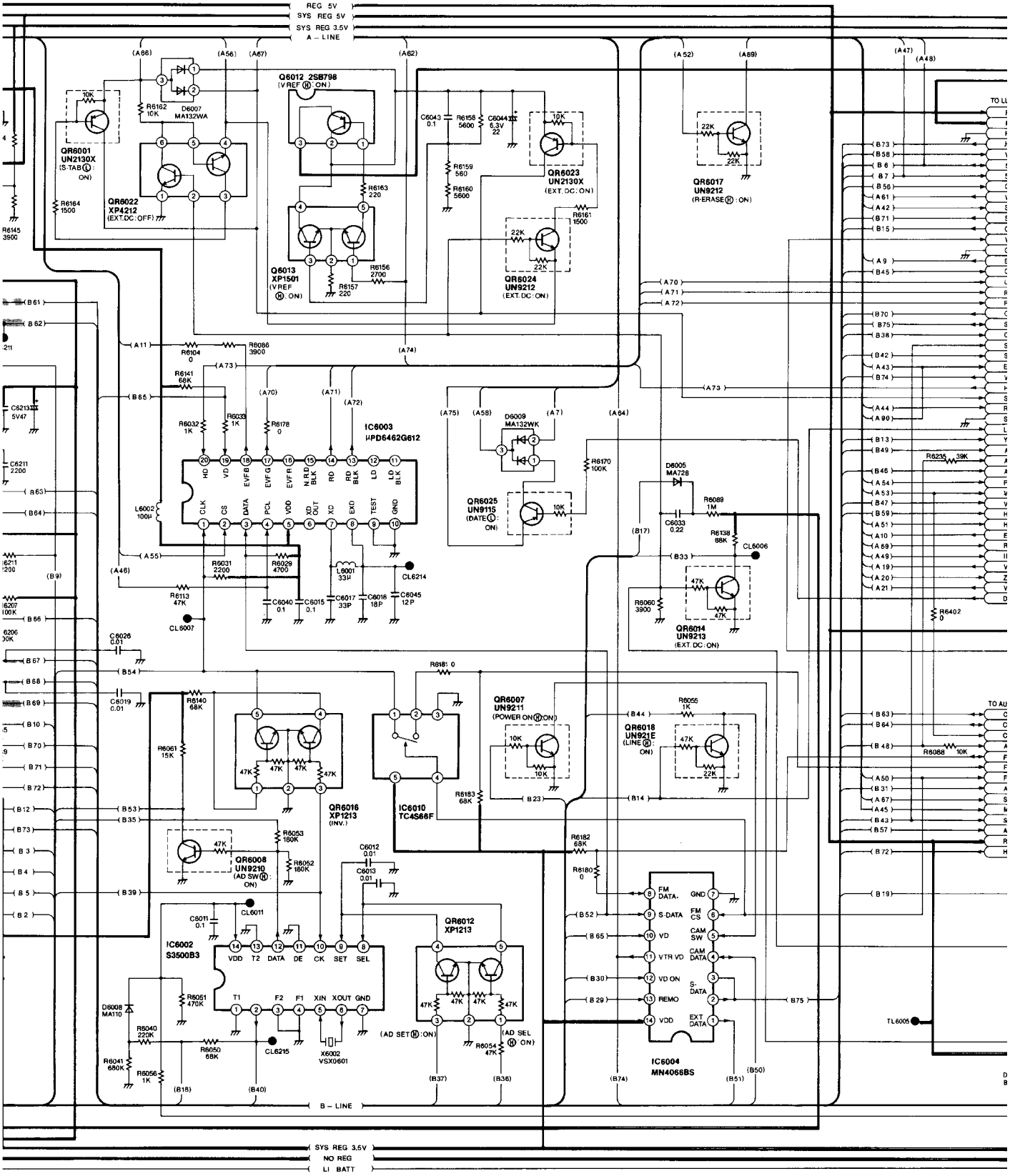



REG 5V
SYS REG 5V
SYS REG 3.5V
A – LINE
QR6002
UN9215
IC6009
μPD4094BG
STB DATA CLK SVHS EE R/P MUTE VSS
VDD TALLY EVF LOADS VITC
QR6015
UN9215
(INV.)
QR6019
UN9215
(POWER ON Ⓗ:ON)
Q6005
XN4501
(INV)
QR6010
XN1213
(INV.)
IC6007
RH5RE38AA
or XC62CP3802
PR
3.8V REG
IC6008
PST9133NR
RESET
IC6001
MN6755324M2J
Q6009
2SD2216
(INV.)
Q6004
2SD2216
(INV.)
X6001
VSX0461
CL6001
CL6008
CL6012
CAP SW
CP ON Ⓗ
CAM LED
VTR LED
EXTPORT STB
SENS LED
POWER ON Ⓗ
VITC WRITE Ⓛ (WIDE CTL)
CYL ON Ⓛ
VITC PB Ⓛ
ID Ⓛ
FM CS
LOAD
UNLOAD
VDD
H A SW
R. ERASE Ⓗ
V. DREC Ⓗ
FM D REC Ⓗ
CAM REMO
VD ON
A. DREC Ⓗ
DRIVE CLK
VSS2
RESET
EXT DC
POWER SW
AD. SW
AD. SEL
AD. SET
XON
POS COM
FACT. M
NO TEPE
KTLP
C. DOWN
S TAB
POS3
POS2
POS1
VDD
CG
CS
VITC SEL
SP SEL
CAM SEL
AD SCK
OSCO (MAIN)
OSCI (MAIN)
VSS1
OSCI (SUB)
GND
S.C.R.
IC6001-23 STOP
0.65Vp-p (2μsec./div.)
IC6001-38 STOP
2.6Vp-p (0.1μsec./div.)
IC6001-39 STOP
1.8Vp-p (0.1μsec./div.)
B – LINE
SYS REG 3.5V
NOREG
LI BATT (+)
6
7
8
9
10
11

CAPSTAN SERVO SPEED LOOP

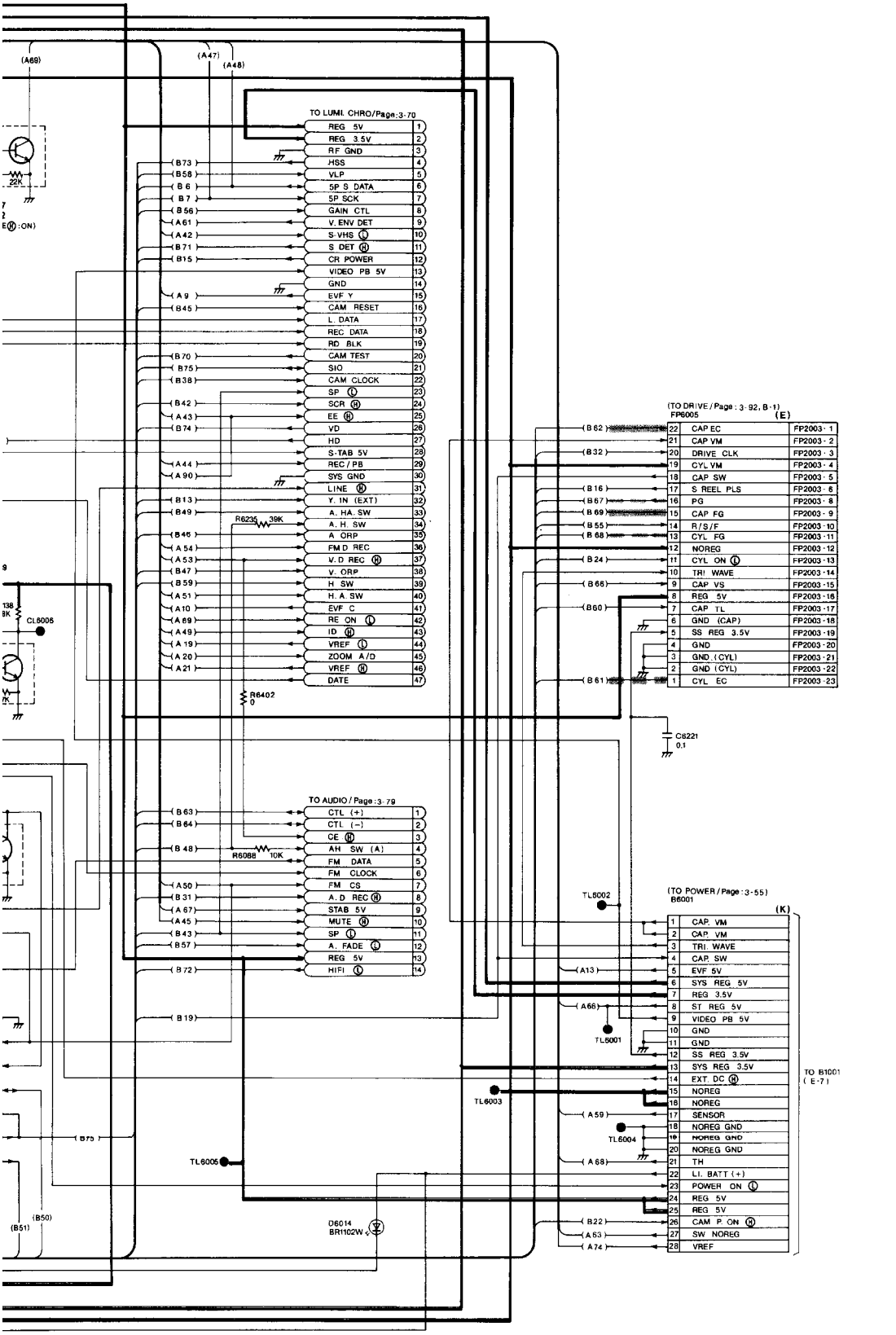


P — CAPSTAN SERVO PHASE LOOP — CYLINDER SERVO SPEED LOOP

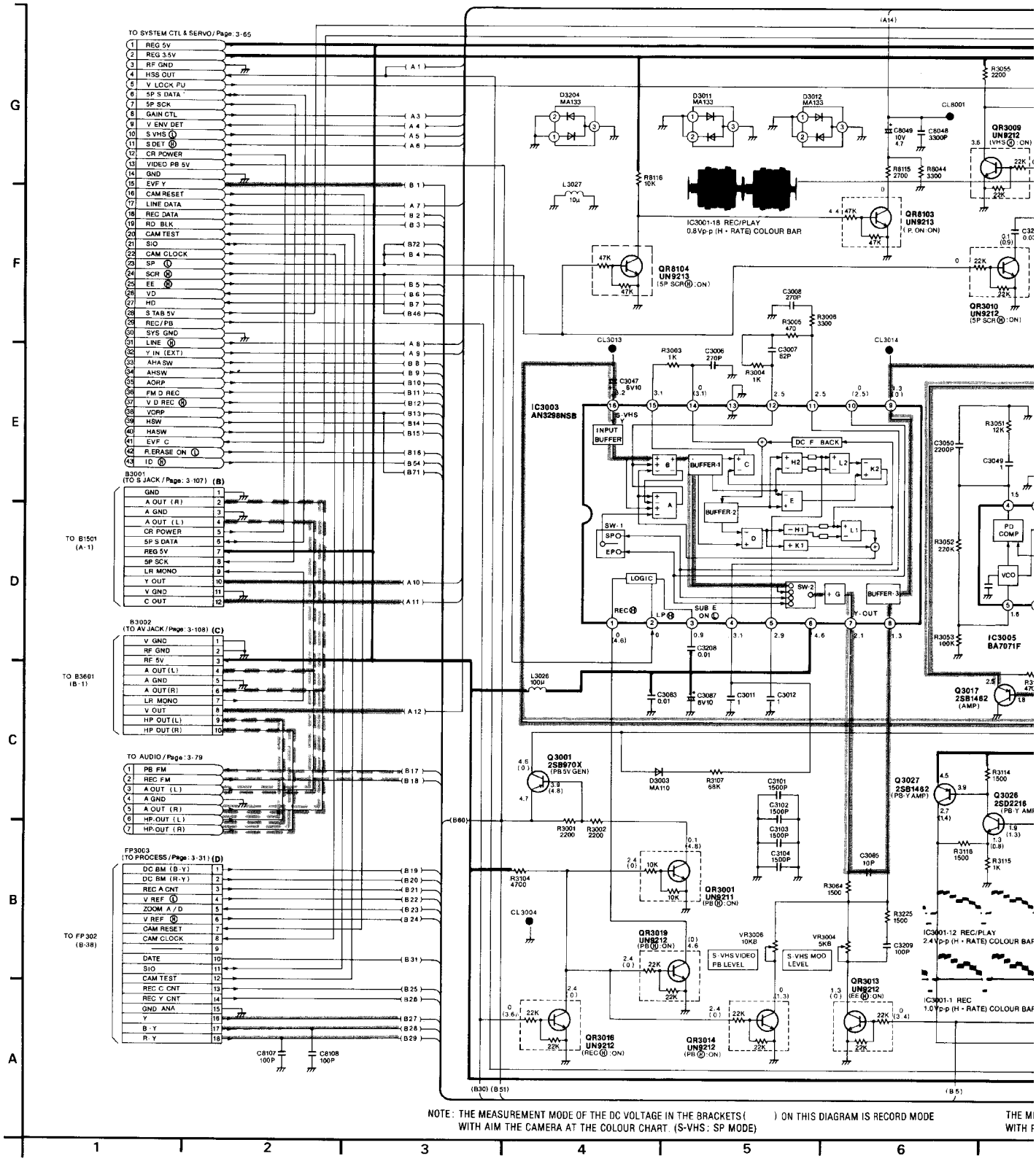


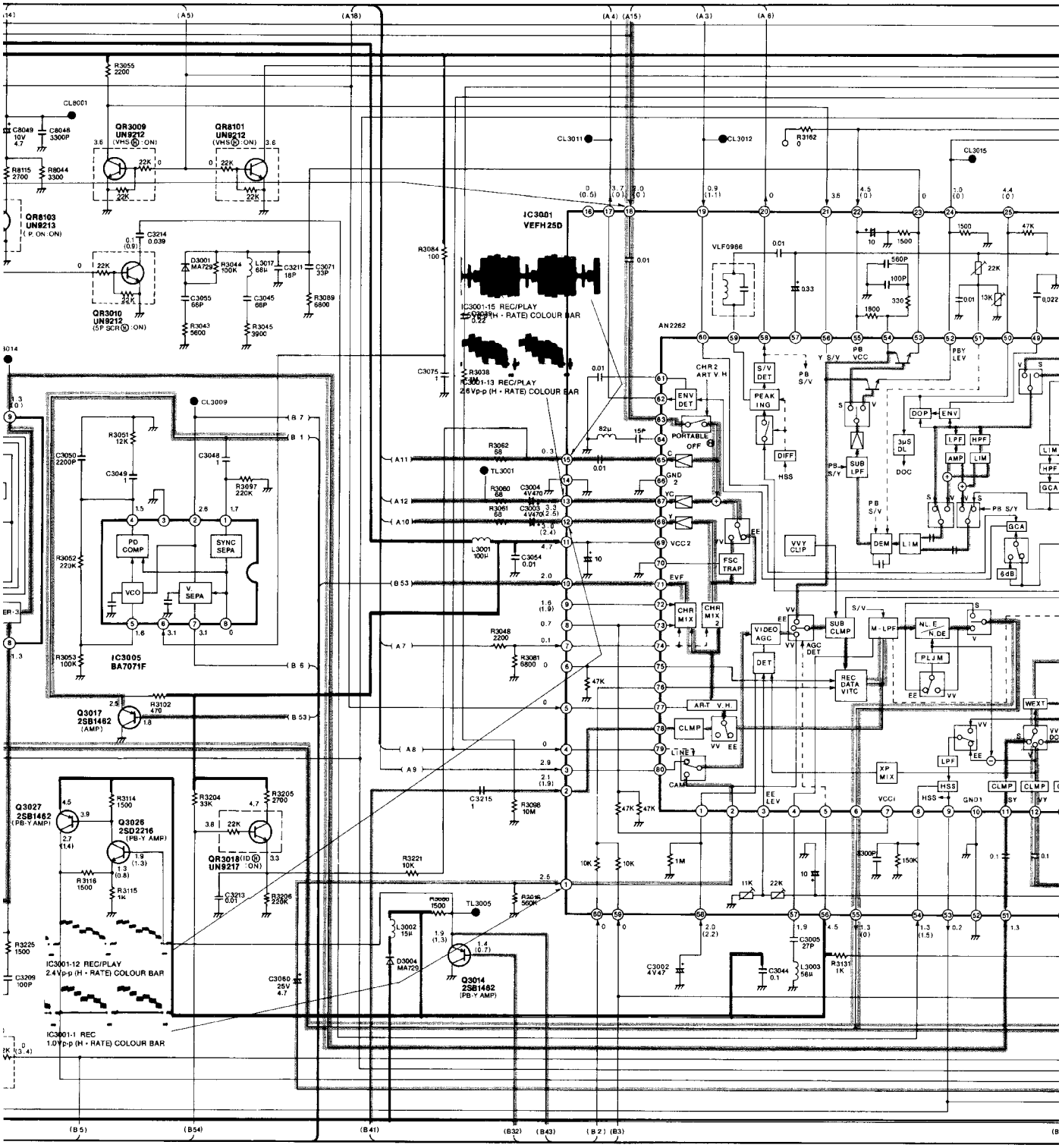
16 | 17 | 18 | 19 | 20 | 21

R SERVO SPEED LOOP CYLINDER SERVO PHASE LOOP



3. LUMINANCE/CHROMINANCE & HEAD AMP SCHEMATIC DIAGRAM



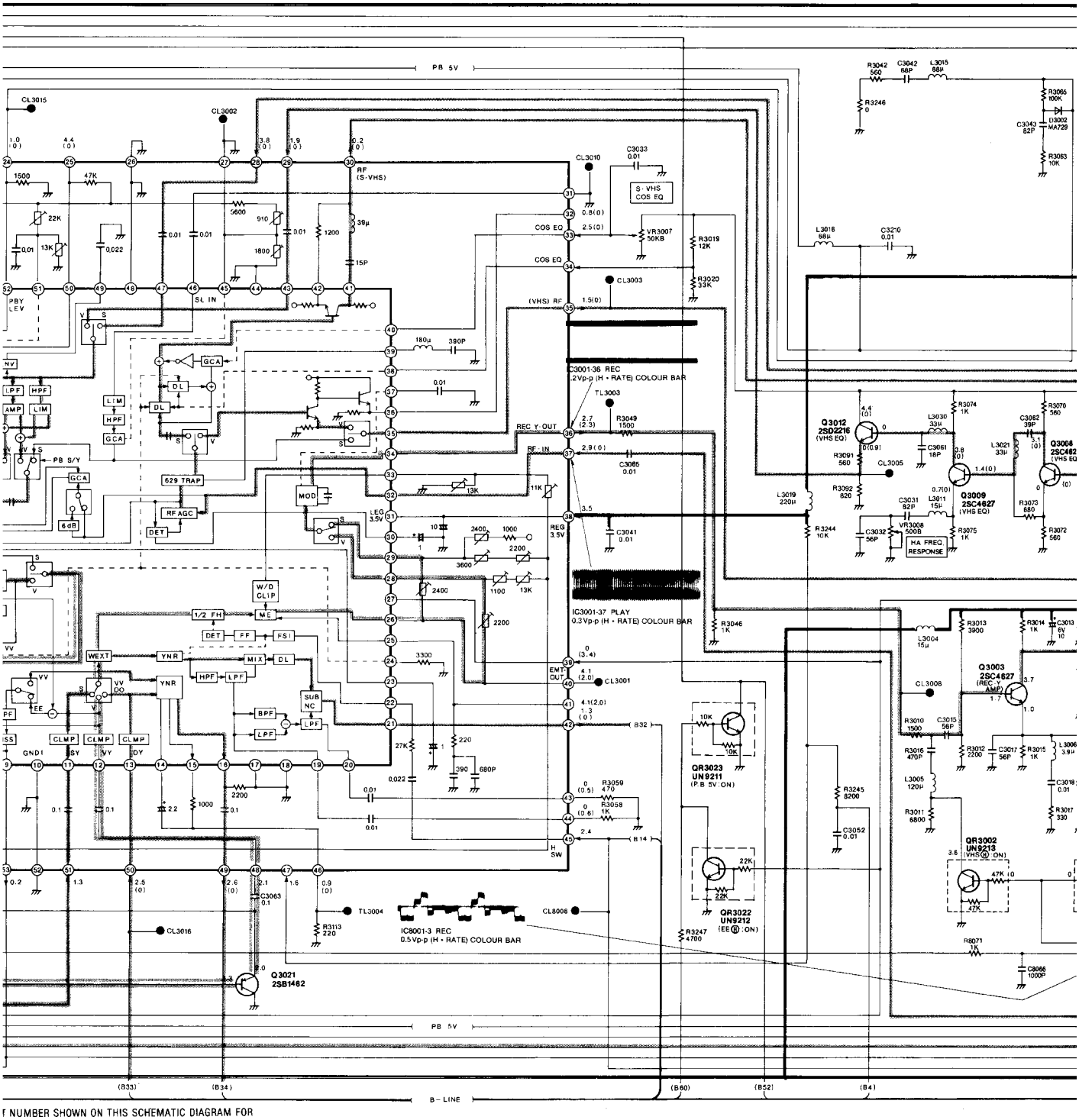


CORD MODE

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS ORDERING. WHEN YOU ORDER A PART, PLEASE

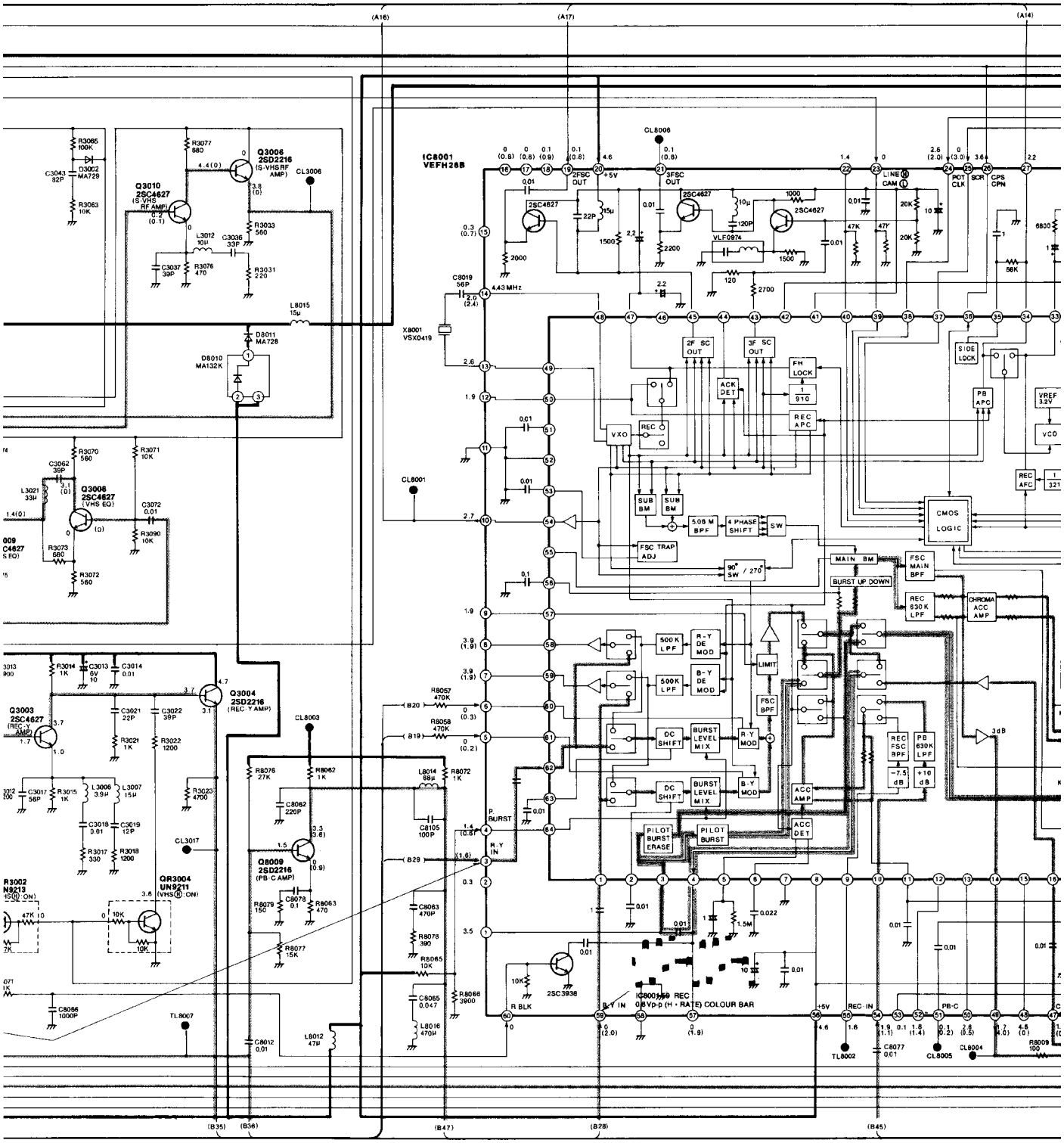
6 | 7 | 8 | 9 | 10 | 11 | 12



F NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR
U ORDER A PART, PLEASE REFER TO PARTS LIST.

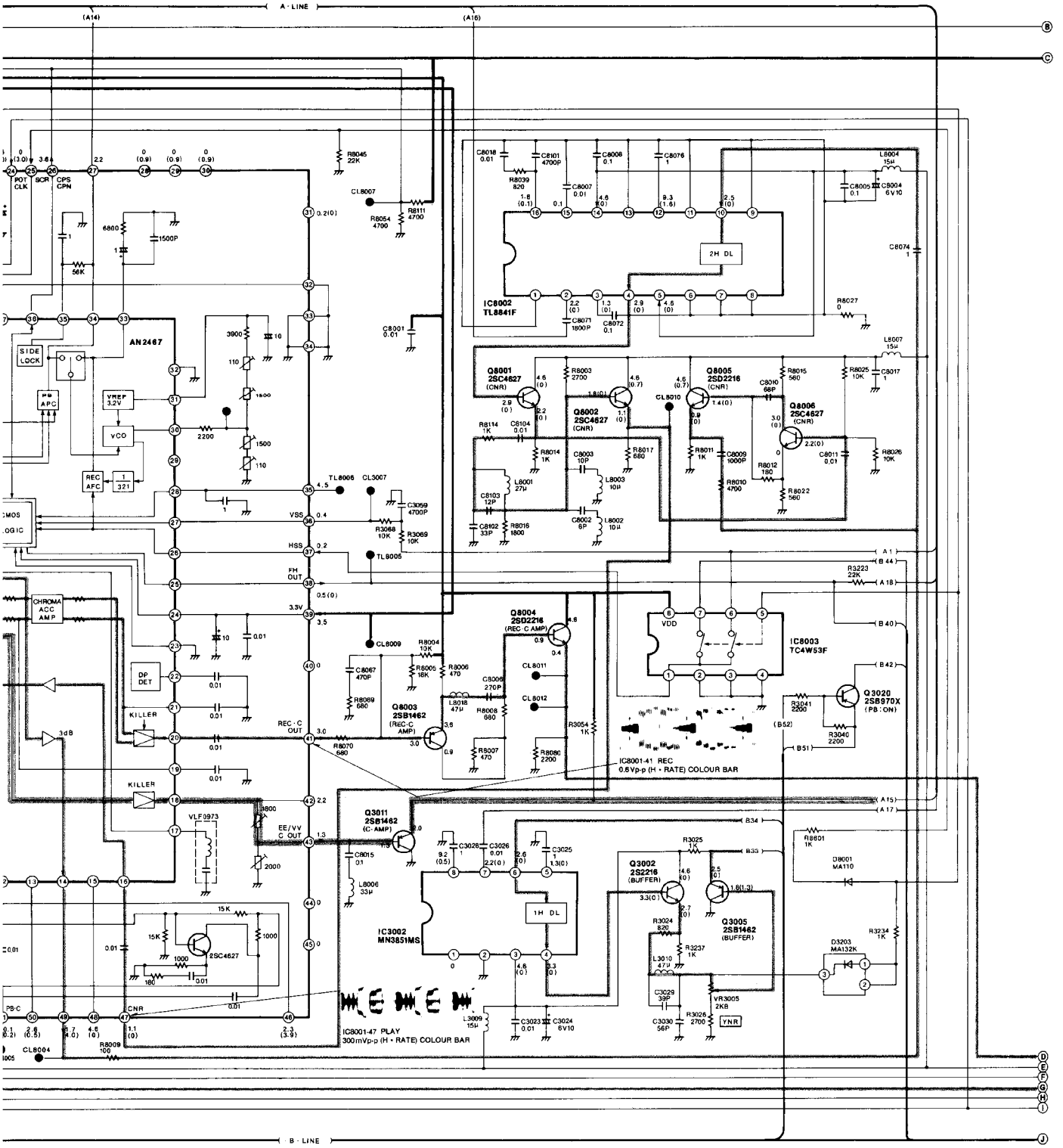
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

AUDIO MAIN SIGNAL PATH

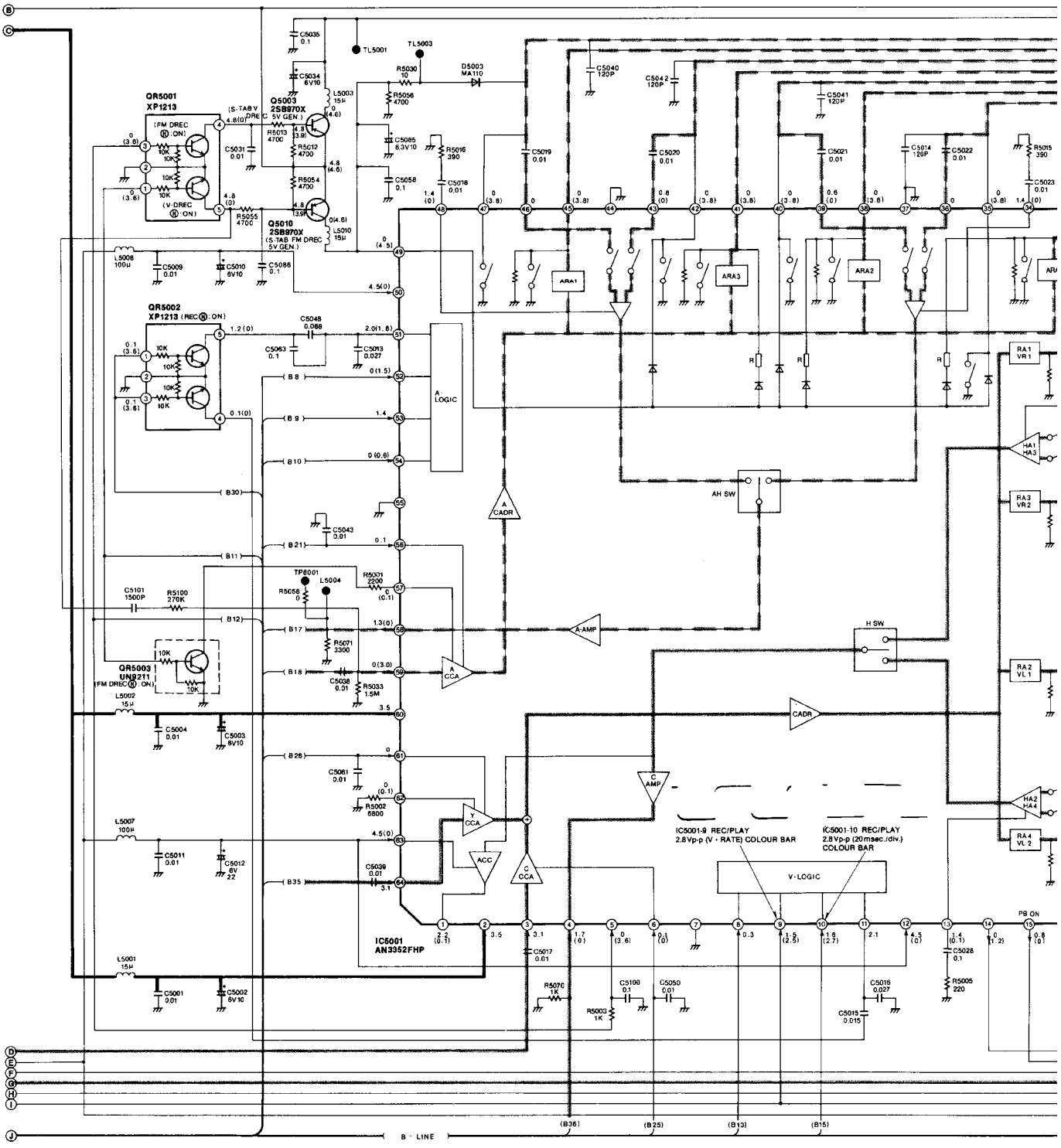


ɪNAL PATH IN REC MODE

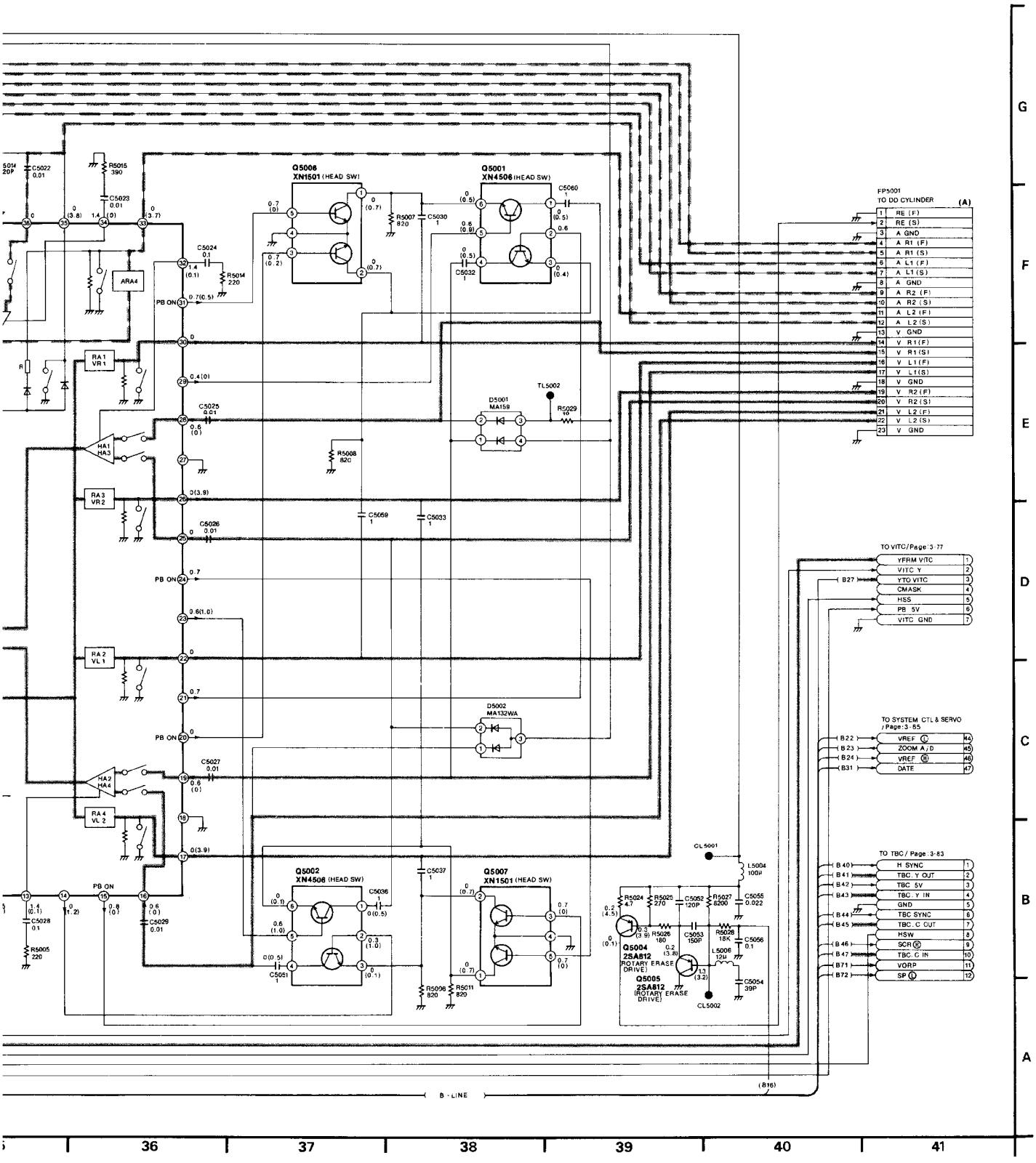
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



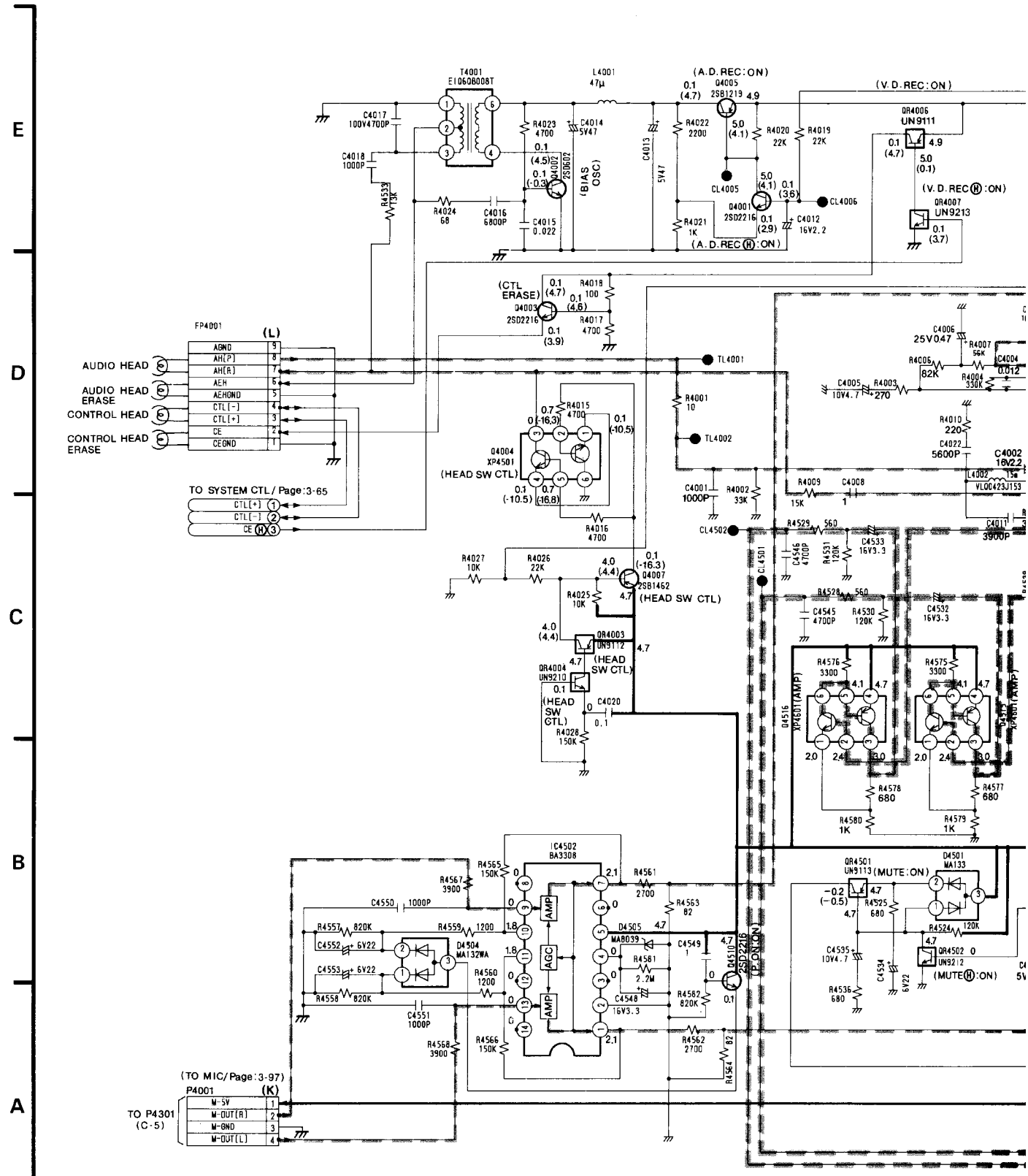
24	25	26	27	28	29



30 | 31 | 32 | 33 | 34 | 35

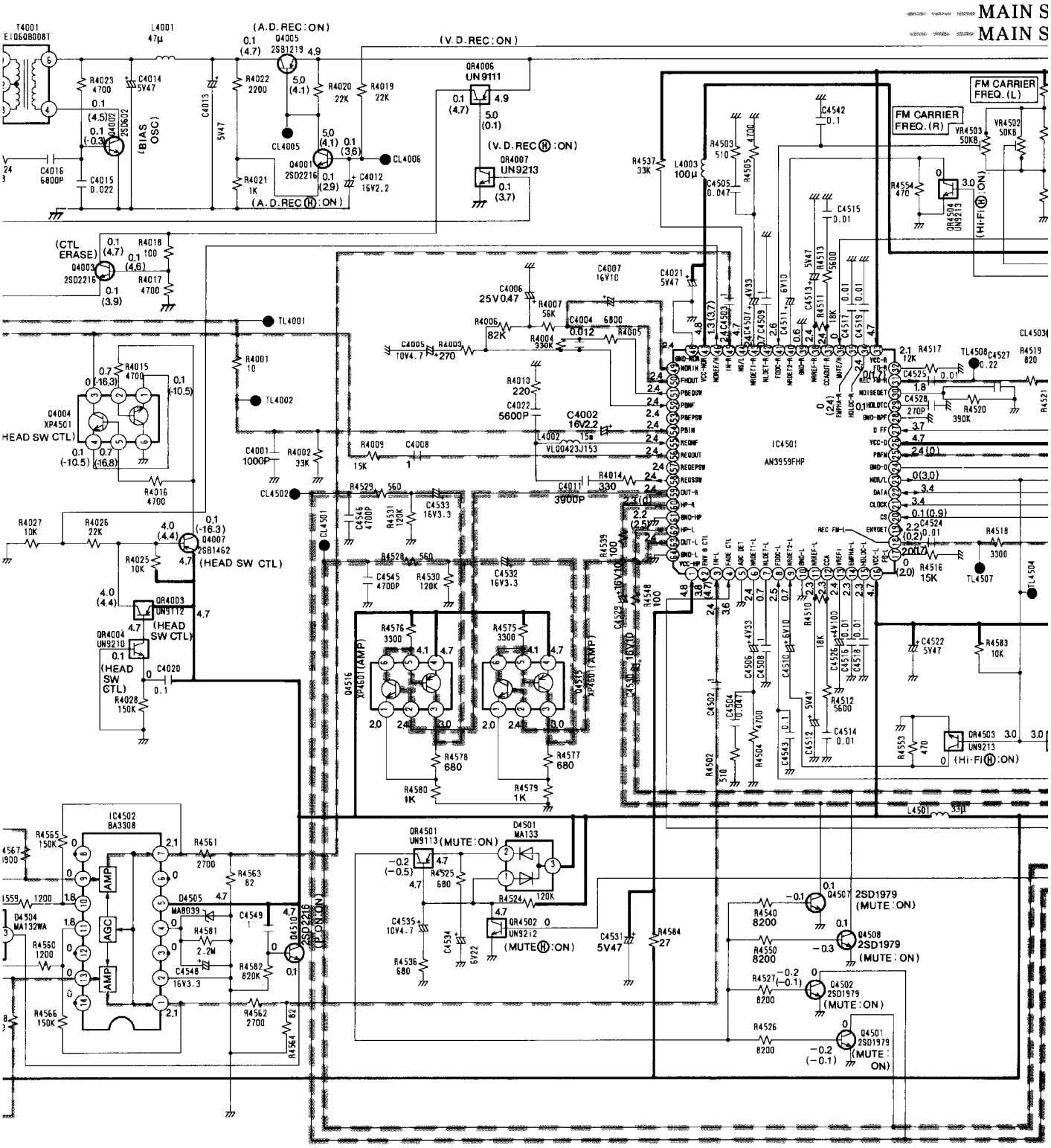

Q5006
XN1501 (HEAD SW)
Q5001
XN4506 (HEAD SW)
Q5002
XN4506 (HEAD SW)
Q5007
XN1501 (HEAD SW)
Q5004
2SA812
ROTARY ERASE DRIVE
Q5005
2SA812
(ROTARY ERASE DRIVE)
D5001
MA159
D5002
MA132WA
TL5002
CL5001
CL5002
ARA4
RA 1
VR 1
RA 3
VR 2
RA 2
VL 1
RA 4
VL 2
HA1
HA3
HA2
HA4
PB ON
FP5001
TO DD CYLINDER
(A)
RE (F)
RE (S)
A GND
A R1 (F)
A R1 (S)
A L1 (F)
A L1 (S)
A GND
A R2 (F)
A R2 (S)
A L2 (F)
A L2 (S)
V GND
V R1 (F)
V R1 (S)
V L1 (F)
V L1 (S)
V GND
V R2 (F)
V R2 (S)
V L2 (F)
V L2 (S)
V GND
TO VITC / Page : 3-77
YFRM VITC
VITC Y
YTO VITC
CMASK
HSS
PB 5V
VITC GND
TO SYSTEM CTL & SERVO / Page : 3-55
VREF (L)
ZOOM A/D
VREF (R)
DATE
TO TBC / Page : 3-83
H SYNC
TBC Y OUT
TBC 5V
TBC Y IN
GND
TBC SYNC
TBC C OUT
HSW
SCR (H)
TBC C IN
VORP
SP (L)
B - LINE
(B16)
G
F
E
D
C
B
A
36
37
38
39
40
41

4. AUDIO SCHEMATIC DIAGRAM



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

M



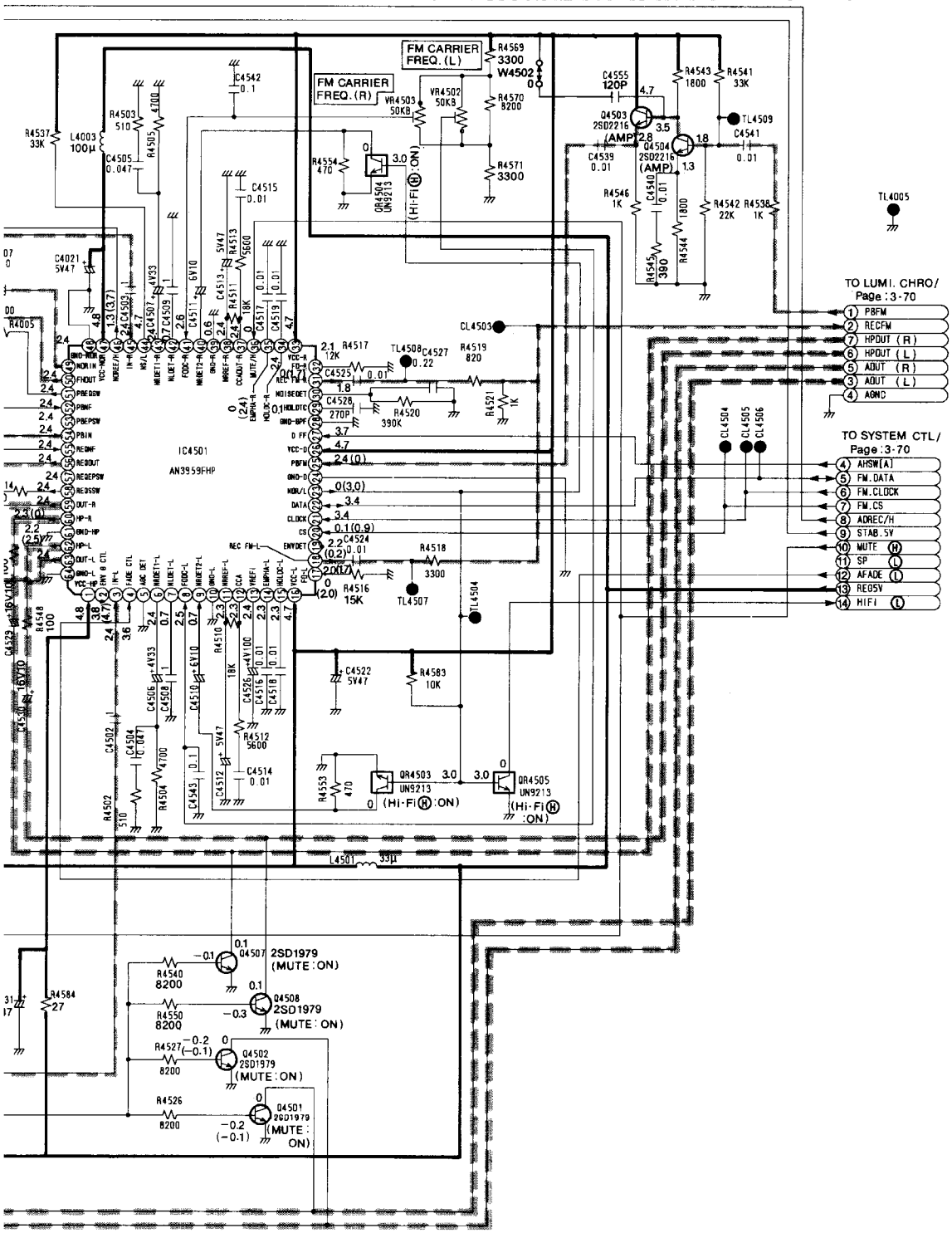
NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOL
THE MEASUREMENT MODE OF THE DC VOL

3 4 5 6

MAIN SIGNAL PATH IN REC MODE

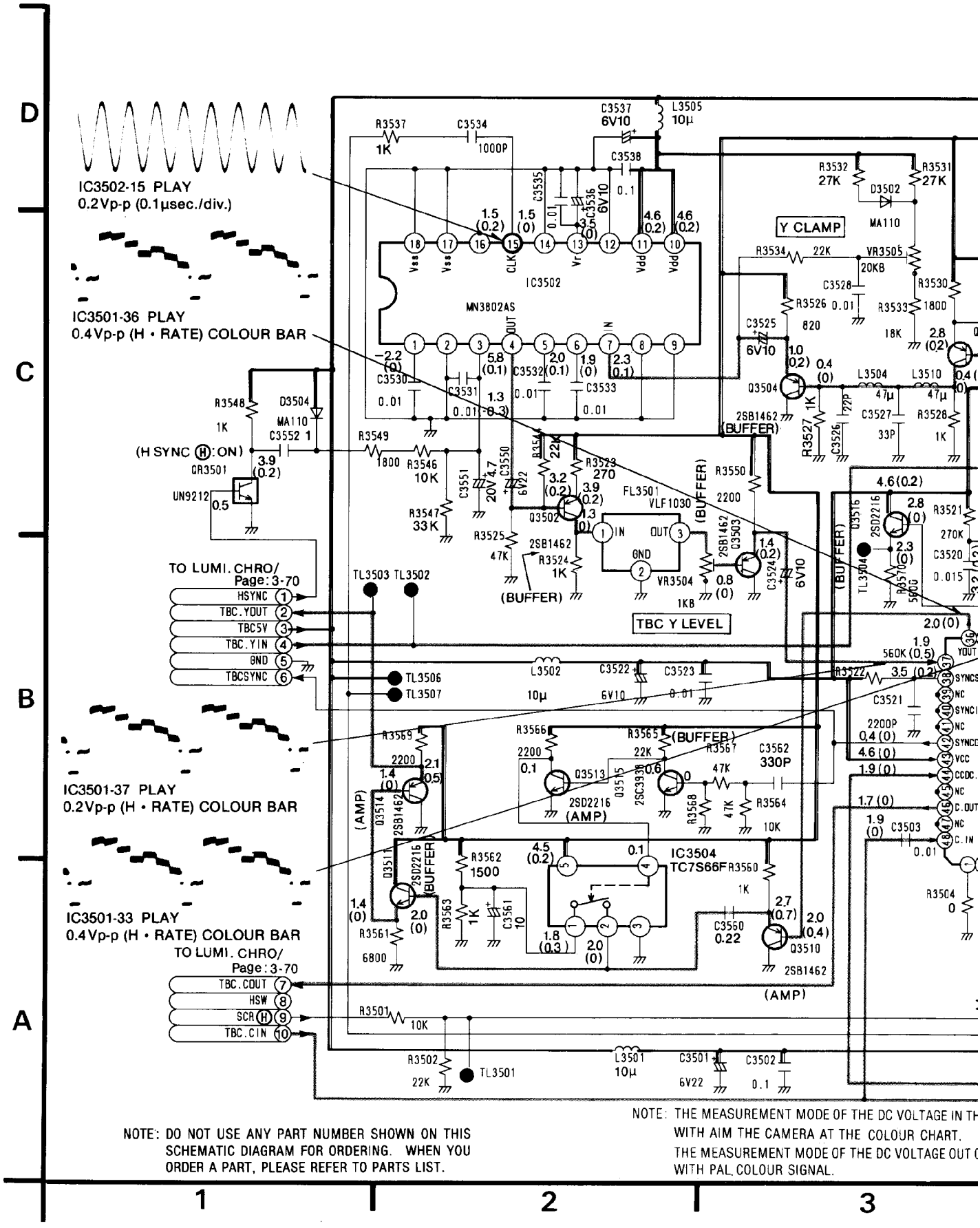
MAIN SIGNAL PATH IN PLAYBACK MODE



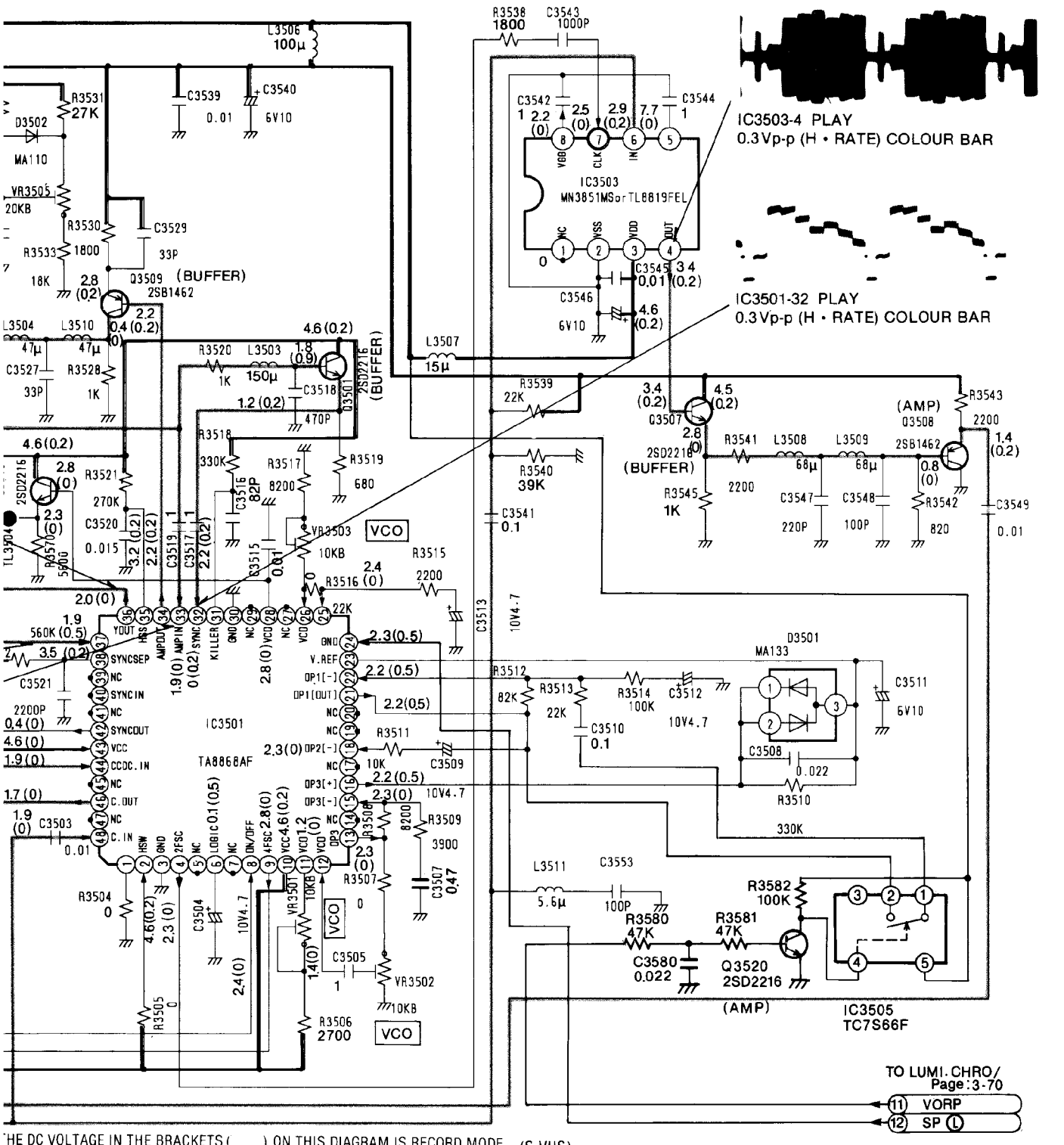
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

5 | 6 | 7 | 8

5. TBC SCHEMATIC DIAGRAM



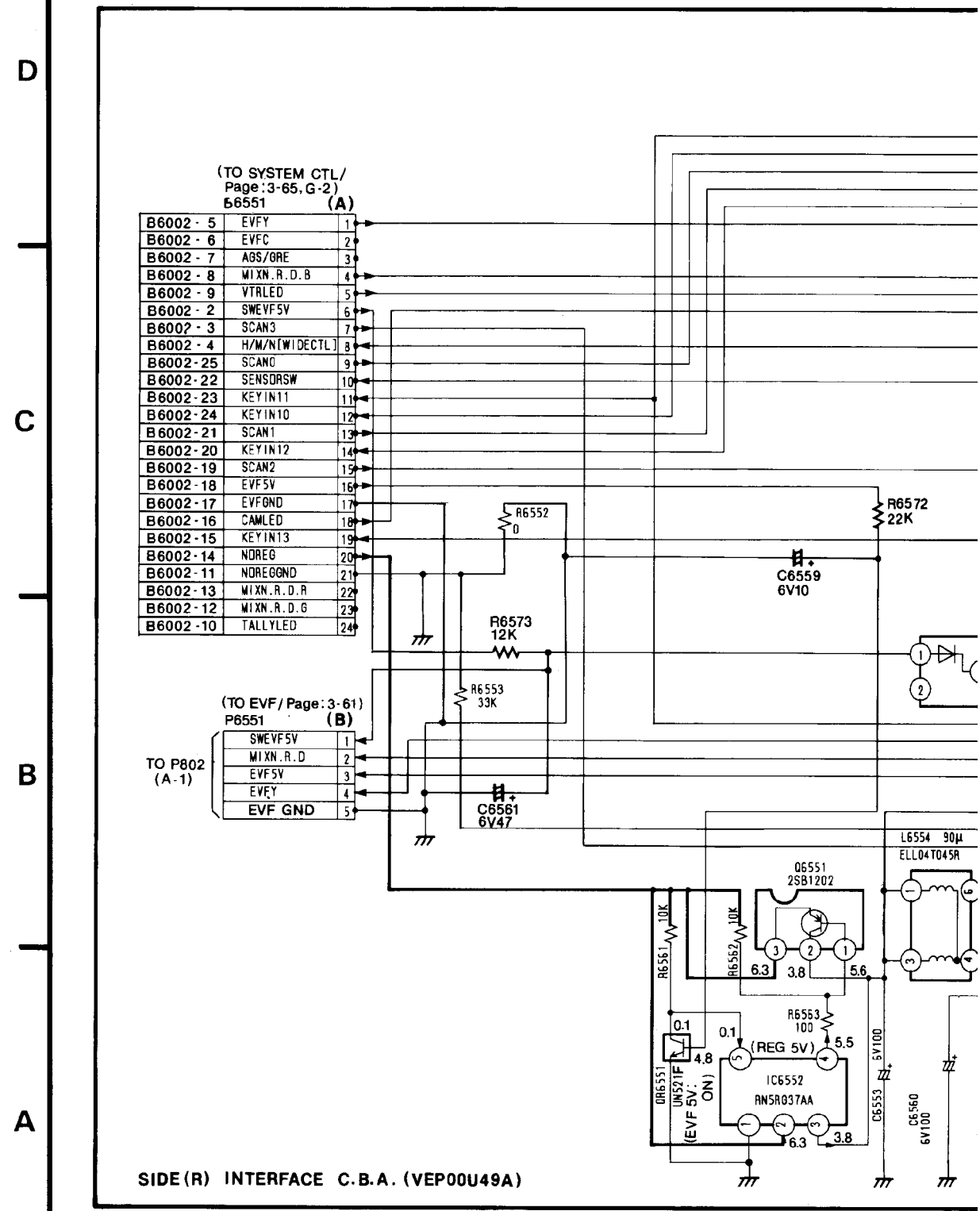
MAIN SIGNAL PATH



THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE (S-VHS)
E COLOUR CHART.
HE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

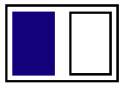
3 4 5 6

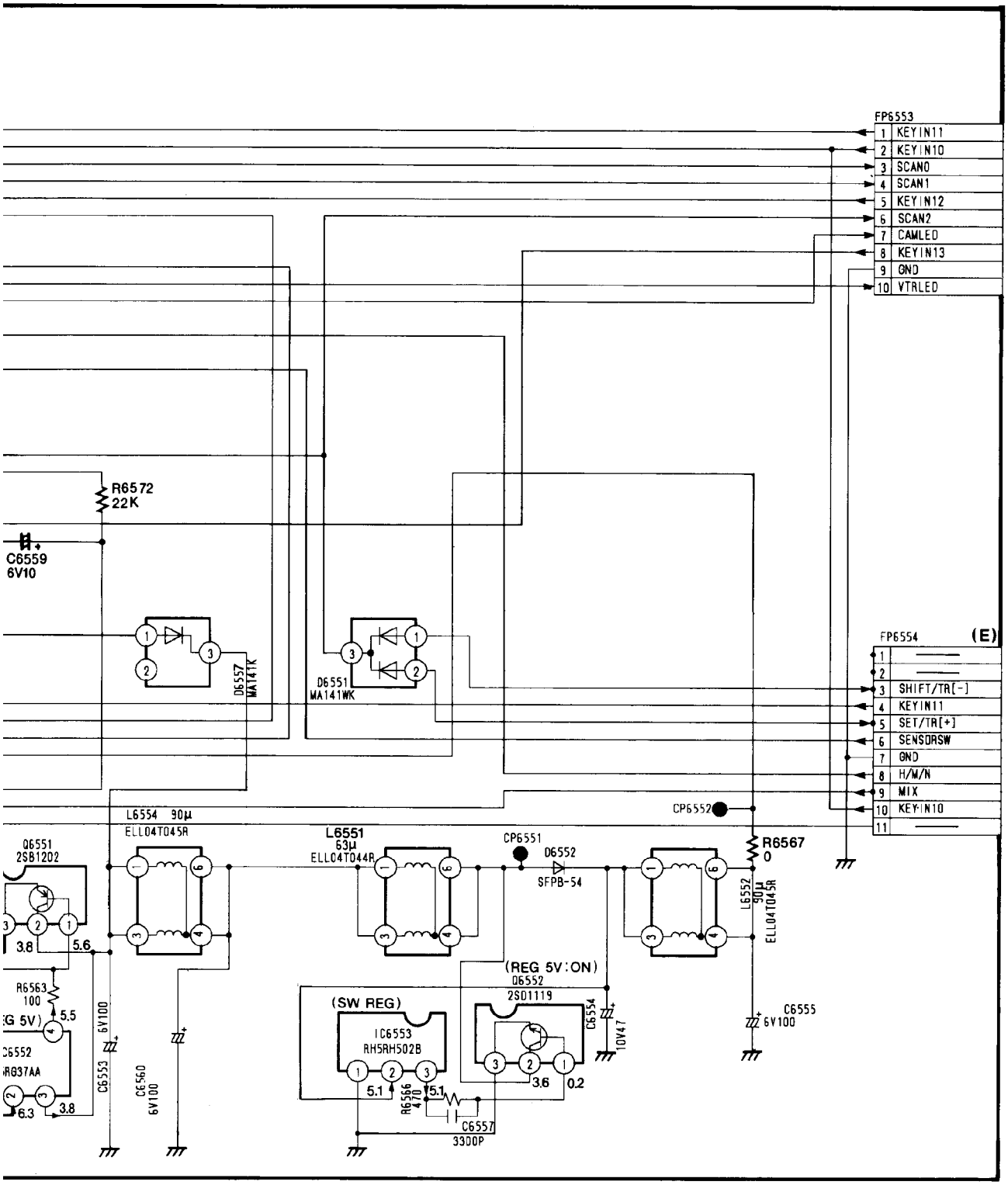
10. SIDE (R) INTERFACE SCHEMATIC DIAGRAM



SIDE (R) INTERFACE C.B.A. (VEP00U49A)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.





RAM FOR
IST.

3 4 5